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2004 2nd QUARTER GROUNDWATER MONITORING REPORT

FOR

FORMER ANGELES CHEMICAL COMPANY FACILITY 8915 SORENSEN AVENUE SANTA FE SPRINGS, CALIFORNIA

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1.0) INTRODUCTION

Blakely Environmental Investigations, Inc. (BEII) was contracted by Greve Financial Services ((310) 753-5770) to perform quarterly groundwater monitoring at the former Angeles Chemical Company (ACC), Inc. facility located at 8915 Sorensen Avenue, Santa Fe Springs, California (See Figure 1, Site Location Map). The quarterly groundwater monitoring was requested by the Department of Toxics Substance Control (DTSC) correspondence dated September 18, 2001. This report presents the results of the 2004 2nd quarter monitoring episode performed on June 14 and 15 of 2004.

2.0) SITE DESCRIPTION

The site is approximately 1.8 acres in size and completely fenced. The site is bound by Sorensen Avenue on the east, Air Liquide Corporation to the north and northwest, Plastall Metals Corporation to the north, and a Southern Pacific Railroad easement and Mckesson Chemical Company to the south.

The ACC has operated as a chemical repackaging facility from 1976 to 2000. A total of thirty-four (34) underground storage tanks (USTs) existed beneath the site. Two (2) USTs, one gasoline and one diesel, and sixteen (16) chemical USTs were excavated and removed under the oversight of the Santa Fe Springs Fire Department. All 16 remaining chemical USTs were decommissioned in place and slurry filled.

3.0) PREVIOUS SITE ASSESSMENT WORK

In January 1990, SCS Engineers, Inc. (SCS) conducted a site investigation. SCS advanced eight borings from 5' below grade surface (bgs) to 50' bgs. Soil samples collected and analyzed identified benzene, 1,1-Dichloroethane (1,1-DCA), 1,1-Dichloroethene (1,1-DCE), MEK, methyl isobutyl ketone (MIBK), toluene, 1,1,1 Trichloroethane (1,1,1-TCA), Tetrachloroethylene (PCE), and xylenes at detectable concentrations.

In June 1990, SCS performed an additional site investigation at the site by advancing six additional borings advanced from 20.5' bgs to 60' bgs. A monitoring well (MW-1) was also installed. Soil sample analysis identified detectable concentrations of the above mentioned VOCs in addition to acetone and methylene chloride. Dissolved benzene, 1,1-DCA, 1,1-DCE, PCE, Trichloroethylene (TCE), and trans-1,2-dichloroethene were detected in MW-1 above maximum contaminant levels.

Between 1993 and 1994, SCS performed further testing at the site. Soil samples were collected from nine borings. Five borings were converted to groundwater monitoring wells MW-2, MW-3, MW-4, MW-6, and MW-7. The predominant compounds detected in soil and groundwater were acetone, MEK, MIBK, chlorinated VOCs, and BTEX.

In 1996 and 1999, SCS performed separate soil vapor extraction pilot tests using several treatment technologies on extraction well E-1 screened from 7' bgs and 22' bgs. Laboratory analysis identified maximum soil vapor gas concentrations as 1,1,1-TCA (30,300 ppmV) with detectable concentrations of 1,1-DCE, TCE, methylene chloride, toluene, PCE and xylenes. The radius of influence was measured between 35 and 80 feet.

In November 1997, SCS performed a soil vapor survey at the site. Soil vapor samples were collected at twenty-three locations at 5' bgs. In addition, soil vapor samples were collected at 15' bgs in five of the twelve sampling points. The soil vapor survey identified maximum VOC concentrations near the railroad tracks located on the northern portion of the site.

BEII performed a soil vapor gas survey at the site from November 27 to December 1, 2000. A total of 36 soil vapor sample points, labeled SV1 through SV36, were selected by BEII and approved by the DTSC for analysis. Two discrete soil vapor samples were collected from each soil vapor sample point, one at 8' bgs and one at 20' bgs. SV1 was an exception since the first soil vapor sample was collected at 10' bgs instead of 8' bgs. Based on the soil vapor sample results, BEII identified relatively low level concentrations of VOCs in the silty clay soils at 8' bgs. However, the concentrations of VOCs are significantly higher in the sandy soils at 20' bgs. Results were submitted to the DTSC by BEII in a Report of Findings dated January 10, 2001 with laboratory reports (BEII Report of Findings dated January 10, 2001).

BEII performed an additional soil gas survey on the ACC site from January 14 to January 17, 2002. The purpose of the soil gas survey was to determine the lateral extent of VOC soil vapors in the vadose zone along the eastern, northern, and southern property line of the site. In addition, BEII performed a SGS on June 13, 2002 on the Air Liquide property to determine the lateral extent of VOC soil vapors in the vadose zone north of the ACC facility. Based on the soil gas survey results, BEII identified relatively low level concentrations of VOCs in the silty clay soils at 5' bgs, 7'bgs, 8' bgs, 10' bgs, and 12' bgs. However, the concentrations of VOCs are significantly higher in the sandy soils at 20' bgs, which are more permeable and conducive to soil vapor migration. Furthermore, VOC soil gas concentrations were higher along the southern property line than along the east and north property line. Results were submitted by BEII to the DTSC in a Report of Findings dated October 15, 2002 with laboratory reports.

BEII advanced two soil borings (BSB-1 and BSB-2) and installed two groundwater monitoring wells (MW-8 and MW-9) on the ACC site from June 5 to June 7, 2002. The purpose of the drilling was to help define the lateral and vertical extent of impacted soil along the eastern ACC property line and to help determine the extent of impacted groundwater. Soil borings BSB-1 and BSB-2 were advanced to 50' bgs and 30' bgs, respectively. Monitoring wells MW-8 and MW-9 were installed to 40.5' bgs and 45.5' bgs, respectively. Soil sample results identified elevated VOC concentrations from monitoring well MW-8 at depth between 29' and 40' bgs. Results were submitted by

BEII to the DTSC in a Report of Findings dated October 15, 2002 with laboratory reports.

BEII advanced eight soil borings (BSB-3 through BSB-10) and eleven cone penetrometer testing locations (CPT-1 though CPT-11) in August 2002 to help determine the extent of impacted soil and subsurface geology. In November and December of 2002, BEII advanced seven additional borings (BSB-11 through BSB-17), fifteen additional cone penetrometer locations (CPT-12 through CPT-26) and installed twelve additional monitoring wells (MW-10 through MW-21) to help further define the extent of VOC impacted soil/groundwater and the subsurface geology. Monitoring well MW-1 was also abandoned. In late June of 2003, BEII installed five additional monitoring wells (MW-22 through MW-26) to help define the extent of VOC impacted soil and groundwater. Monitoring wells MW-2, MW-3, and MW-7 were abandoned. Laboratory results were submitted by BEII to the DTSC. A Summary Site Characterization Report dated February 2004 was submitted by Shaw Environmental & Infrastructure, Inc. (Shaw) to the DTSC and included interpretations based on the above mentioned borings, CPT locations and monitoring wells. See Figure 2 for Site Layout Map.

4.0) REGIONAL GEOLOGY/HYDROGEOLOGY

The site is located near the northern boundary of the Santa Fe Springs Plain within the Los Angeles Coastal Plain at an elevation of approximately 150 feet above mean sea level. Surficial sediments consist of fluvial deposits composed of inter-bedded gravel, sand, silt, and clay. Available data from California Water Resources Bulletin No. 104 (June 1961) indicate that the surficial sediments may be Holocene and/or part of the upper Pleistocene Lakewood Formation, which ranges from 40 to 50 feet thick beneath the site. The Lakewood Formation has lateral lithologic changes with discontinuous permeable zones that vary in particle size. Stratified deposits of sand, silty sand, silt, and fine gravel comprising the upper portion of the lower Pleistocene San Pedro Formation underlies the Lakewood Formation.

The site lies within the Central Basin Pressure area, a division of the Central Ground Water Basin, which extends over most of the Coastal Plain. The shallow (perched) groundwater occurs within the Lakewood Formation. The deeper groundwater occurs in the Hollydale aquifer, which is the uppermost regional aquifer in the Pleistocene San Pedro Formation. The major water producing aquifers in the region are the Lynwood aquifer located approximately 200-feet bgs, the Silverado aquifer located at approximately 275-feet bgs, and the Sunnyside aquifer located at approximately 600-feet bgs.

5.0) SITE GEOLOGY/HYDROGEOLOGY

Based on the borings and CPT pushes, Shaw identified six distinct hydrostratigraphic units horizons beneath the ACC site. Uppermost is an "overburden" unit comprising a wide range of materials from fill to silty sands to clayey silts that is

designated as "unit A". Next is a well-defined clean sand (sometimes with gravel) horizon designated as "unit B". Following is a fine-grained predominantly silt zone designated as "unit C1" which is underlain by a coarser silty sand zone named "unit D". Next is the finest-grained unit observed, "unit C2" which is predominantly a clayey silt that can be finer (clay) at the top, and coarser (sandy silt) with depth. Finally, "unit E" is a clean coarse sand (similar to unit B) that is considered the top of the regional aquifer system.

A perched water zone, which is currently dry, was identified within unit B. The regional aquifer zone from 50' to 80' bgs (referred as the A1 zone), is identified within unit E. A zone of saturation (referred as the "first water" zone) exists between the A1 and the perched water zone.

For this report, monitoring wells MW-13, MW-14, MW-15, MW-17, MW-20 and MW-21 will be noted as upper A1 zone monitoring wells and MW-23, MW-24 and MW-25 as lower A1 zone monitoring wells. Monitoring wells MW-6, MW-8, MW-9, MW-10, MW-11, MW-12, MW-16, MW-18, MW-19, MW-22, and MW-26 will be noted as the first water zone monitoring wells. Monitoring well MW-4 contained residual water within the casing sump at 26.41' bgs and a depth to bottom of 26.60' bgs. MW-4 will be noted as a perched water zone well.

The groundwater gradient flowed historically to the southwest as identified by SCS. In June 2004, the first water was identified at depths between 35.20' bgs to 45.72' bgs beneath the site. The potentiometric groundwater flow direction of the first water zone is away from the high point (MW-10) with a hydraulic gradient of 0.033 ft/ft to the northeast and 0.023 ft/ft to the southwest (See Figure 3). Groundwater in the A1 zone was identified at depths between 45.15' bgs to 48.79' bgs beneath the site. The potentiometric groundwater flow in the A1 zone is to the west-southwest direction with a hydraulic gradient of 0.007 ft/ft (See Figure 4). Depths to groundwater and their respective elevations are presented in Table 1.

Hydrographs are included as Figures 5 through 8 in this report. Groundwater elevations of both the first water and A1 zone tend to be higher in June and lower in December, which indicates a seasonal recharge in both hydrologic zones. The most recent groundwater elevations measured in June 2004 appear to be an exception to this seasonal recharge. The groundwater elevations were lower in June 2004 than those measured in December 2003. It is anticipated that the groundwater levels will rise in all wells in the 2004 3rd quarter groundwater monitoring episode. In addition, the groundwater elevations in December 2003 are lower than those elevations from December 2002 in both the first water and A1 zones. The groundwater elevations from the southern first water monitoring wells appear to be falling since the previous monitoring episode. The groundwater elevations from the central first water, northern first water and the A1 zone monitoring wells have also dropped since the last groundwater monitoring episode.

6.0) GROUNDWATER MONITORING PROTOCOL

The purpose of the proposed groundwater monitoring was to provide data regarding the piezometric surface, water quality, and the presence of free product (FP), if any on a quarterly basis to the DTSC. Groundwater monitoring consisted of such activities as water level measurement, well sounding for detection of FP, collection of groundwater samples, field analysis, laboratory analysis, and reporting. The proposed work was performed as follows:

The depth to groundwater was measured in each well using a decontaminated water level indicator capable of measuring to with 1/100th of a foot. Prior to and following collection of measurements from each well, the portions of the water level indicator entering groundwater were decontaminated using a 3-stage decontamination procedure consisting of a potable wash with water containing Liquinox soap followed by a double purified water rinse. The depth to water was measured in all monitoring wells before any of the wells were purged. Wells were measured in the order of least contaminated to the most contaminated based on past analysis. For the ACC wells, the following order of wells was followed: MW-23, MW-24, MW-25, MW-20, MW-17, MW-13, MW-14, MW-9, MW-15, MW-21, MW-22, MW-12, MW-26, MW-11, MW-19, MW-6, MW-4, MW-16, MW-10, MW-8 and MW-18.

The well box and casing were opened carefully to preclude debris or dirt from falling into the open casing. Once the well cap was removed, the water level indicator was lowered into the well until a consistent tone was registered. Several soundings were repeated to verify the measured depth to groundwater. The depth of groundwater was measured from a reference point marked on the lip of each well casing. A licensed surveyor has surveyed the elevation of each reference point. The result was recorded on the field sampling log for each well. Other relevant information such as physical condition of the well, presence of hydrocarbon odors, etc. was also recorded as appropriate on the field sampling log.

The well sounder used for this project was equipped to measure free product (FP) layers thicker than 0.1 inches. FP was indicated as light non-aqueous phase liquid (LNAPL) or dense non-aqueous phase liquid (DNAPL).

Groundwater purging was conducted immediately following the sounding of all monitoring wells. Groundwater samples were analyzed for the following constituents (new wells for TPH-gas and VOCs only):

- Volatile organic compounds (VOCs) using EPA Method 8260B to include all Tentatively Identified Compounds (TICs).
- Total Petroleum Hydrocarbons as gasoline (TPH-gas) using EPA Method 8015 modified.
- Total dissolved solids (TDS) using EPA Method 160.1.

- Nitrates, chloride, sulfate, sulfide, ferrous iron, and manganese using EPA Methods 352.1, 325.3, 375.4, 376.1, 7380, and 7460, respectively.
- Alkalinity, carbonates, and bicarbonates using EPA Methods 310.1 and Standard Method 4500.
- Total organic carbon (TOC) and dissolved organic carbon (DOC) using EPA Method 415.1.
- 1,4-Dioxane using EPA method 8270.
- Ethylene using GC/FID.

6.1) Well Purging and Measurement of Field Parameters

Wells were purged in the above mentioned order (see Section 5.0) to minimize the potential for cross contamination. One equipment blank was collected daily to assess whether cross contamination has occurred. The wells were purged by Blaine Tech Services, Inc (Blaine) and sampled by BEII from June 14 to June 15, 2004. Diffusion bags were removed on June 14, 2004. The purge protocol was presented in the Field Sampling Plan as Appendix A in the Groundwater Monitoring Work Plan dated October 23, 2001 and submitted to the DTSC.

Prior to purging, casing volumes was calculated based on total well depth, standing water level, and casing diameter. One casing volume was calculated as:

$$V = \pi(d/2)^2 h \times 7.48$$

where:

V is the volume of one well casing of water (in gallons, 1 ft^3 = 7.48 gallon);
d is the inner diameter of the well casing (in feet); and
h is the total depth of water in the well - the depth to water level (in feet).

A minimum of three casing volumes of water was purged from each well. Water was collected into a measured bucket to record the purge volume. All purged groundwater was containerized in 55-gallon hazardous waste drum for disposal at a later date.

The pump was initially set at approximately 2-feet below the measured groundwater level in each well. The pump was lowered slowly as the groundwater receded. This ensured that fresh formation water was sampled from each well. Great care was used when deploying the pump to avoid touching the bottom of the well and when initiating the pump to minimize sediment disturbances within the well from purging. A low pump rate of 1 gallon per minute (gpm) was used to prevent dewatering. None of the wells dewatered during this sampling episode.

After each well casing volume was purged; water temperature, pH, specific conductance (EC), and turbidity were measured using field test meters and the measurements were recorded on Well Monitoring Data Sheets (See Appendix A). Samples were collected after these parameters have stabilized; indicating that representative formation water has entered the well. The temperature, pH, and specific conductance should not vary by more than 10 percent from reading to reading. Turbidity should be less then 5 NTUs, however, the purging process stirred up silty material in each well which made the turbidity measurements of 5 NTUs unattainable. Groundwater samples were collected after water levels recharged to 80 percent of the static water column. Notations of water quality including color, clarity, odors, sediment, etc. were also noted in the data sheets.

All field meters were calibrated according to manufacturers' guidelines and specifications before and after each day of field use. Field meter probes were decontaminated before and after use at each well. The pH, conductivity, and temperature were measured with a Myron-L Ultra Meter and turbidity was measured with a HF Scientific DRT-15C meter. The calibration standards used for pH were 4 and 7 with expiration dates of July 2004. Conductivity was calibrated to a 3900 µs standard with an expiration date of July 2004. A 0.02 NTU standard was used to calibrate the turbidity with an expiration date of July 2004.

6.2) Well Sampling

Groundwater samples were collected by lowering a separate disposable bailer into each well. Groundwater was transferred from the bailer directly into the appropriate sample containers with preservative, if required, chilled, and processed for shipment to the laboratory. When transferring samples, care was taken not to touch the bailer-emptying device to the sample containers. Diffusion bags were used to collect water samples from MW-23, MW-24, and MW-25 at 2.5-feet above the well casing bottom. Water samples were transported to Southland Technical Services, Inc., a certified laboratory by the California Department of Health Services (Cert. #1986) to perform the requested analysis.

Monitoring wells MW-23, MW-24 and MW-25 contained diffusion bags and were collected on June 14, 2004. Groundwater samples were collected from monitoring in the following order: MW-20, MW-17, MW-13, MW-14, MW-9, MW-15, MW-21, MW-22, MW-12, MW-26, and MW-11. Monitoring well MW-22 contained insufficient water to collect a groundwater sample. A groundwater sample was collected from MW-26 without purging for fear of complete dewatering with minimal recharge. Monitoring wells MW-4, MW-6, MW-8, MW-10, MW-16, MW-18 and MW-19 identified FP as LNAPL at a thickness of 0.04-feet, 0.08-feet, 0.23-feet, 0.41-feet, 0.33-feet, 3.24-feet and 1.35-feet,

respectively. The FP thickness in MW-6 is assumed based on the depth of the well bottom since no water was identified in the well.

Vials for VOC and TPH analysis were filled first to minimize aeration of groundwater collected in the bailer. The laboratory provided vials containing sufficient HCl preservative to lower the pH to less than 2. The vials were filled directly from the bottom-emptying device. The vial was capped with a cap containing a Teflon septum. Blind duplicate samples for the laboratory were labeled as "MW-1" and "MW-2" and were collected from monitoring wells MW-17 and MW-15, respectively. Equipment blanks were collected each day; one before purging MW-14 and MW-12. All vials were inverted and tapped to check for bubbles to insure zero headspace.

New nitrile gloves were worn during by sampling personnel for each well to prevent cross contamination of the samples. A solvent free label was affixed to each sample container/vial denoting the well identification, date and time of sampling, and an identifying code to distinguish each individual bottle.

6.3) Sample Handling

VOA vials, including laboratory trip blanks, were placed inside of one new Ziplock bag per well and stored in a cooler chilled to approximately 4°C with bagged ice. Water samples were logged on the chain-of-custody forms immediately following sampling of each well to insure proper tracking through analysis to the laboratory.

6.4) Waste Management

FP, purged groundwater, and decontamination water were stored in sealed 55-gallon drums for a period not to exceed 90 days. Stored wastes will be profiled for hazardous constituents and characterized as Non-Hazardous, California Hazardous, or RCRA Hazardous, as appropriate. Any transportation of waste will be under appropriate manifest.

7.0) FREE PRODUCT

Monitoring wells MW-4, MW-6, MW-8, MW-10, MW-16, MW-18 and MW-19 identified FP as LNAPL at a thickness of 0.04-feet, 0.08-feet, 0.23-feet, 0.41-feet, 0.33-feet, 3.24-feet and 1.35-feet, respectively. Each well that contains or has contained FP is tabulated as follows with the total amount of FP removed since each well was installed.

Well ID	FP Removed (gallons)
MW-4	0.75
MW-6	2
MW-8	12.35
MW-10	1
MW-16	1.1
MW-18	34.75
MW-19	6

Laboratory analysis of FP was performed in October 2001 from MW-6, in June 2002 from MW-6 and MW-8, in December 2003 from MW-16 and MW-19 and in March 2004 from MW-10, MW-18 and MW-19. Laboratory analysis results are presented in Table 2. Based on the results, the FP contained in MW-6 and MW-8 appears to be different from the FP contained in MW-10, MW-16 and MW-19 when comparing TPH-gas concentrations. Furthermore, the VOC analysis results indicate that FP from MW-10 and MW-18 are similar compared to the FP from MW-19.

8.0) GROUNDWATER SAMPLE RESULTS

Groundwater samples collected from the first water zone monitoring wells MW-9, MW-11, MW-12, MW-22, and MW-26 in June 2004 contained dissolved TPH-gas ranging from 43,300 µg/L in MW-11 to 1,350 µg/L in MW-9. The second largest dissolved TPH-gas concentration in the first water was identified in MW-12 as 1,780 µg/L. See Table 3 and Figure 9 for dissolved TPH-gas concentrations. Graphs of dissolved contaminant concentrations over time are provided in Appendix B. Note that the previously high dissolved TPH-gas concentrations from MW-19, MW-10 and MW-18 represent the LNAPL that is now present in those first water wells.

Groundwater samples collected from the upper A1 zone monitoring wells MW-13, MW-14, MW-15, MW-17, MW-20 and MW-21 in June 2004 contained TPH-gas ranging from 511 µg/L in MW-21 to non-detect (<50 µg/L) in MW-13, MW-17 and MW-21. The lower A1 zone monitoring wells (MW-23, MW-24 and MW-25) were not analyzed for TPH-gas. See Table 3 and Figure 10 for dissolved TPH-gas concentrations. Contaminant graphs for the A1 zone identified higher dissolved TPH-gas concentrations in most wells during the month of December except for monitoring wells MW-15 and MW-21 located on the south side of the ACC site which identified maximum concentrations in March 2004.

Concentrations of dissolved BTEX ranged between 25,792 µg/L in MW-26 to <32.8 µg/L in MW-9 from the first water zone (See Table 4 and Figure 9 for dissolved BTEX concentrations). Monitoring well MW-11 also contained high levels of dissolved BTEX at 12,478 µg/L. Most of the total dissolved BTEX concentrations consist of benzene and toluene. Contaminant graphs for these two components are provided in Appendix B. In general, most first water wells contained their respective maximum dissolved benzene and toluene concentrations during the 1st or 3rd quarter.

Dissolved BTEX in the upper A1 zone ranged between 59 µg/L in MW-21 to <4 µg/L in MW-13, MW-17 and MW-20 (See Tables 4 and 5 and Figure 10 for dissolved BTEX concentrations). Like the first water zone, the upper A1 zone contains mostly benzene and toluene as the total dissolved BTEX concentration. Contaminant graphs for these two components contained higher dissolved benzene and toluene concentrations in most wells during the month of December except for monitoring wells MW-15 and MW-21 which identified maximum concentrations in March 2004. The lower A1 zone monitoring wells MW-23, MW-24, and MW-25 identified no detectable concentrations of dissolved BTEX.

Groundwater sample results from the first water zone identified high VOC concentrations compared to the relatively low VOC concentrations in the A1 zone (See Tables 4 and 5).

Dissolved PCE was identified in the first water zone at a maximum concentration of 1,830 µg/L from MW-26 located in the southwest corner of the ACC site. Dissolved TCE was also identified at a maximum of <100 µg/L from MW-11 in the first water zone (See Figure 11). Dissolved contaminant graphs identified relatively consistent dissolved PCE and TCE concentrations from first water wells except for MW-26 whose concentrations fluctuated greatly. Maximum concentrations of dissolved PCE and TCE in the upper A1 zone were detected as 228 µg/L and 108 µg/L, respectively in groundwater collected from MW-21 (See Figure 12). The lower A1 zone contained maximum concentrations of dissolved PCE as 120 µg/L and TCE as 85.7 µg/L from MW-24. Most wells in the A1 zone identified a slight increase in dissolved PCE and TCE in the A1 zone (See Appendix B).

Dissolved concentrations of 1,1,1-TCA were identified in the first water zone at a maximum of 5,730 µg/L in MW-26 (See Figure 11). All other first water monitoring wells sampled contained dissolved 1,1,1-TCA at or below 250 µg/L. Contaminant graphs for the first water identified that in most wells with elevated dissolved 1,1,1-TCA (<100 µg/L) the maximum concentrations were detected during the month of December and wells with low level dissolved 1,1,1-TCA the maximum concentrations were detected in June. Dissolved 1,1,1-TCA was detected in the A1 zone at a maximum of 13.5 µg/L in MW-21 (See Figure 12). Dissolved 1,1,1-TCA was also identified in MW-17 at 7.4 µg/L and in MW-20 at 6.7 µg/L. No significant concentrations of 1,1,1-TCA (above 5 µg/L) were detected in all other upper and lower A1 zone monitoring wells. Graphs of dissolved 1,1,1-TCA over time in the A1 zone identified the 2004 2nd quarter groundwater monitoring sampling as the first episode where concentrations were all below 14 µg/L.

Groundwater samples were also analyzed for 1,4-Dioxane, a preservative used in 1,1,1-TCA to prolong its shelf life. However, 1,4-Dioxane is more soluble in groundwater than 1,1,1-TCA and will often lead the dissolved 1,1,1-TCA plume. First water zone monitoring wells MW-9, MW-11 and MW-12 identified dissolved 1,4-

Dioxane concentrations between 4,000 µg/L and 2.9 µg/L. Dissolved concentrations in most wells have decreased over time except MW-11, MW-22 and MW-26 whose maximums were identified during the previous quarter (See Appendix B). A1 zone monitoring wells MW-13, MW-14, MW-15, MW-17, MW-20, MW-21, MW-23, MW-24, and MW-25 identified dissolved 1,4-Dioxane concentrations between 93 µg/L and <2 µg/L. Contaminant graphs of dissolved 1,4-Dioxane decreased over time except for MW-21, MW-15 and MW-14, which identified maximum concentrations during the 2004 first quarter.

Concentrations of dissolved chlorinated VOC daughter products were relatively elevated compared to their respective parent VOCs identified above and also showed a trend of higher dissolved concentrations in the first water zone compared to the deeper A1 zone.

1,1-DCA is a daughter product from reductive dehalogenation of 1,1,1-TCA and from carbon-carbon double bond reduction of 1,1-DCE, another daughter product. Dissolved 1,1-DCA concentrations were identified between 55,000 µg/L and 300 µg/L in the first water zone (See Figure 11). The greatest dissolved 1,1-DCA concentration was observed in MW-11. A historic maximum concentration was identified in MW-11 during this quarter (See Appendix B). Dissolved 1,1-DCA concentrations in the upper A1 zone ranged between 203 µg/L and <1 µg/L (See Figure 12). Monitoring well MW-21 located along the southwest property boundary contained the highest dissolved 1,1-DCA concentrations from the upper A1 zone. The second highest dissolved 1,1-DCA concentration identified from MW-15 was only 53.6 µg/L. No detectable concentrations of dissolved 1,1-DCA were identified in the lower A1 zone. Most wells in the A1 zone identified a decrease of dissolved 1,1-DCA concentrations over time.

Dissolved 1,1-DCE, a daughter product of the dehydrohalogenation of 1,1,1-TCA and reductive dehalogenation of TCE, was identified at concentrations ranging from 8,150 µg/L to 4.5 µg/L in the first water zone (See Figure 11). The maximum dissolved 1,1-DCE concentration was observed in MW-26. The next largest dissolved 1,1-DCE concentration was identified as 1,100 µg/L in groundwater collected from MW-9. Historically, dissolved concentrations of 1,1-DCE fluctuate with no observable pattern (See Appendix B). Dissolved 1,1-DCE concentrations in the upper A1 zone ranged between 299 µg/L and 24.7 µg/L (See Figure 12). A1 zone monitoring well MW-21 located along the southwest property boundary contained the maximum dissolved 1,1-DCE concentration (299 µg/L). Concentrations of dissolved 1,1-DCE were identified at a maximum of 15.6 µg/L in the lower A1 zone from MW-24. Most wells in the A1 zone identified elevated dissolved 1,1-DCE concentrations in June except for MW-14, MW-15 and MW-21.

Cis-1,2 DCE is also a daughter product of the dehydrohalogenation of 1,1,1-TCA and reductive dehalogenation of TCE. Concentrations of dissolved cis-1,2-DCE were identified between 6,550 µg/L and <4 µg/L in the first water zone (See Figure 11). The

greatest dissolved cis-1,2-DCE concentration was observed in MW-26 located along the southwestern boundary of the ACC site. Historically, dissolved concentrations of cis-1,2-DCE fluctuate with no observable pattern (See Appendix B). Dissolved cis-1,2-DCE concentrations in the upper A1 zone ranged between 4 µg/L and up to a maximum of 437 µg/L identified from MW-21 (See Figure 12). Upper A1 zone monitoring well MW-15 contained the second largest dissolved cis-1,2-DCE concentration of 102 µg/L. The lower A1 zone contained dissolved cis-1,2-DCE at a maximum of 16.2 µg/L from MW-24. Contaminant graphs from the A1 zone identified a general decrease in dissolved cis-1,2-DCE over time with the exception of MW-15 and MW-21, which identified elevated concentrations (<2,500 µg/L) the previous quarter.

Vinyl chloride (VC) is a by-product from the dehydrohalogenation and reductive dehalogenation of the chlorinated VOC daughter products mentioned above. Similar to the other VOCs, concentrations of dissolved VC were at lower concentrations in the deeper A1 zone than in the first water zone. Dissolved VC concentrations were identified between 3,320 µg/L and <4 µg/L in the first water zone (See Figure 11). Monitoring well MW-11 contained the largest dissolved VC concentration in the first water zone. An increase in VC in the first water zone was observed over time in MW-11 (See Appendix B). Dissolved VC concentrations in the upper A1 zone ranged from 138 µg/L to <1 µg/L (See Figure 12). The maximum dissolved VC concentration was located along the southwest property line in monitoring well MW-15. No detectable concentrations of dissolved VC were identified in the lower A1 zone. The A1 zone wells observed maximum dissolved VC concentrations during the month of December except for MW-15 and MW-21.

Dissolved methylene chloride (MC) concentrations were identified between 11,900 µg/L and <4 µg/L in the first water zone (See Figure 11). Monitoring well MW-26 located along the southwest boundary of the site contained the maximum dissolved methylene chloride concentration in the first water. Methylene chloride was <4 µg/L in MW-21 and <2 µg/L in the remaining upper and all lower A1 zone monitoring wells sampled (See Figure 12).

Maximum dissolved concentrations of acetone and MEK were identified in first water zone monitoring well MW-26 as 7,220 µg/L and 2,260 µg/L, respectively (See Figure 13). Groundwater collected from MW-11 also identified elevated concentrations of dissolved acetone as 888 µg/L and dissolved MEK as <250 µg/L. Historically, dissolved concentrations of acetone and MEK fluctuate with no observable pattern (See Appendix B). No detectable concentrations of acetone or MEK were identified above method detection limit from the 2004 2nd quarter groundwater monitoring episode in both the upper and lower A1 zone (See Figure 14).

Dissolved concentrations of MIBK were identified at a maximum of 5,320 µg/L from monitoring well MW-26 in the first water. No detectable concentrations of dissolved MIBK (<250 µg/L to <10 µg/L) were identified in the remaining first water

wells sampled this quarter (See Figure 13). No detectable concentrations (<10 µg/L to <5 µg/L) were identified in all upper and lower A1 zone monitoring wells (See Figure 14).

Most groundwater samples were also analyzed for biodegradation indicators (See Table 6 for laboratory results). Further comparative data needs to be acquired prior to evaluating biodegradation processes. Subsequent groundwater analysis will include these biodegradation indicators. All groundwater laboratory analytical reports for the 2004 2nd quarter groundwater monitoring episode are included as Appendix C.

9.0) CONCLUSIONS

Based on groundwater elevation data, BEII concludes that seasonal changes affect both the first water and A1 zones. In general, both groundwater zones observed a period of discharge during winter and recharge during summer months.

Based on the recent groundwater sample results, BEII concludes that the site is impacted by LNAPL in the first water and dissolved VOCs in both the first water and A1 zones. LNAPL was identified in six first water monitoring wells (MW-6, MW-8, MW-10, MW-16, MW-18 and MW-19). Elevated dissolved phase VOCs were identified in first water monitoring wells MW-11 and MW-26. Dissolved VOC concentrations, however, were detected at higher concentrations in the first water zone compared to the A1 zone by one order of magnitude. A1 zone monitoring well MW-21 located along the southern property boundary contained the maximum dissolved VOC concentrations in that aquifer.

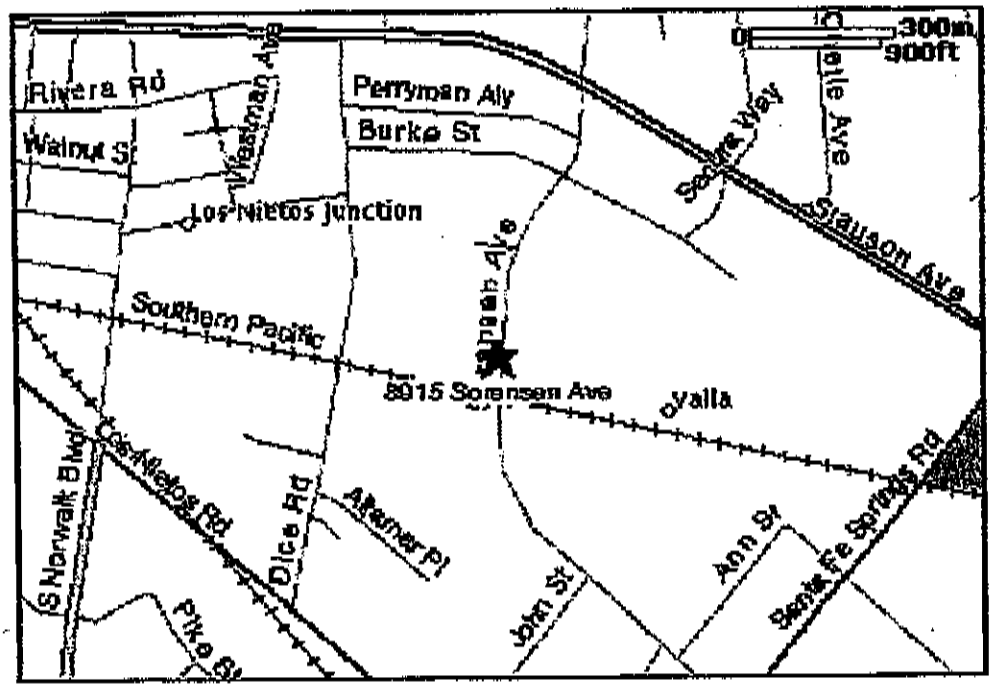
BEII also concludes that the recent groundwater sampling data provides preliminary support that the site has potential for intrinsic biodegradation. Dissolved parent VOC (PCE and TCE) concentrations were identified at concentrations less than 1,870 µg/L. 1,1,1-TCA was the only parent VOC that was identified at greater than 5,000 µg/L exclusively in MW-26. Daughter VOC constituents such as 1,1-DCA, 1,1-DCE, cis-1,2-DCE, and VC identified dissolved concentrations of up to 55,000 µg/L. The low parent VOC concentration to high daughter VOC concentration ratio is a preliminary indicator of intrinsic biodegradation. However, further groundwater monitoring is needed to determine whether intrinsic biodegradation is occurring.

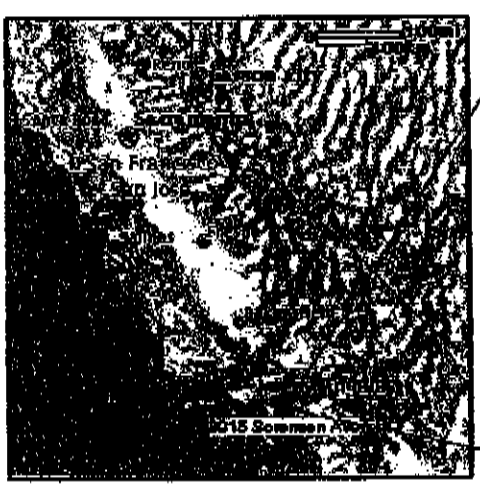
10.0) RECOMMENDATIONS

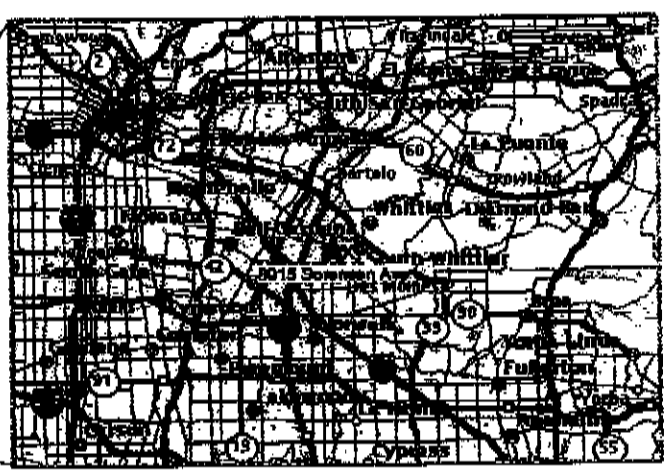
BEII recommends that quarterly groundwater monitoring for VOCs and TPH-gas be continued at the former ACC property. BEII further recommends that free product removal be performed on a monthly basis to reduce its mass. It is anticipated that an automated free product recovery system will be in place this summer provided that the on-site security is in place. BEII is currently developing the groundwater remedial investigation/feasibility study report.

FIGURES

ANCHEM0608







Blakely Environmental Investigations, Inc. 4359 Phelan Road Phelan, CA 92371	Site Location Map Former Angeles Chemical Company 8915 Sorensen Ave., Santa Fe Springs, CA 90670	FIGURE 1

ANCHEM0609

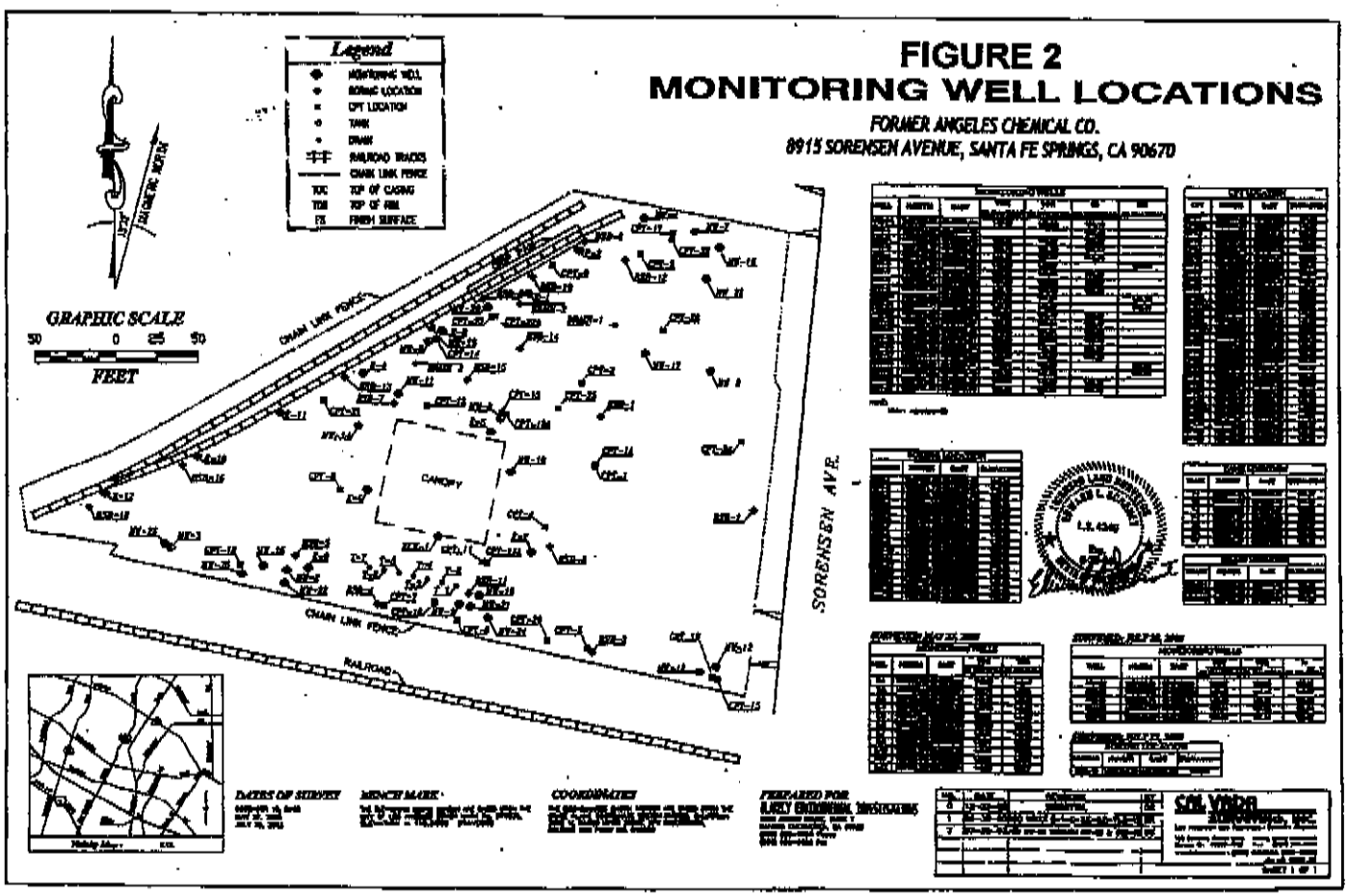
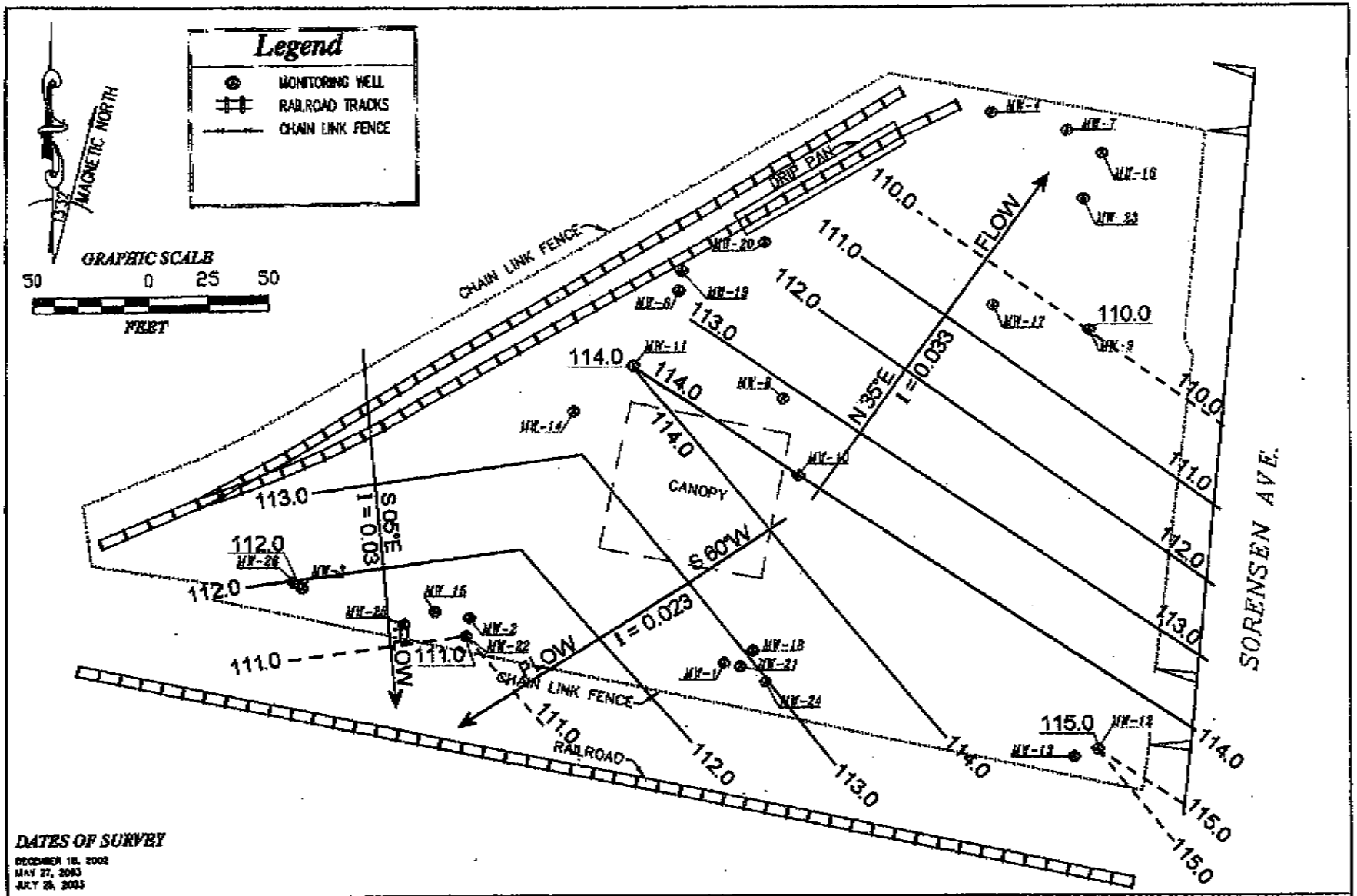


FIGURE 2
MONITORING WELL LOCATIONS
FORMER ANGELES CHEMICAL CO.
8915 SORENSEN AVENUE, SANTA FE SPRINGS, CA 90670
Legend
GRAPHIC SCALE
50 0 25 50
FEET
CHAIN LINK FENCE
CANOPY
SORENSEN AVE.
RAILROAD
DATES OF SURVEY
BENCH MARK
COORDINATES
PREPARED FOR
SOIL VAPOR

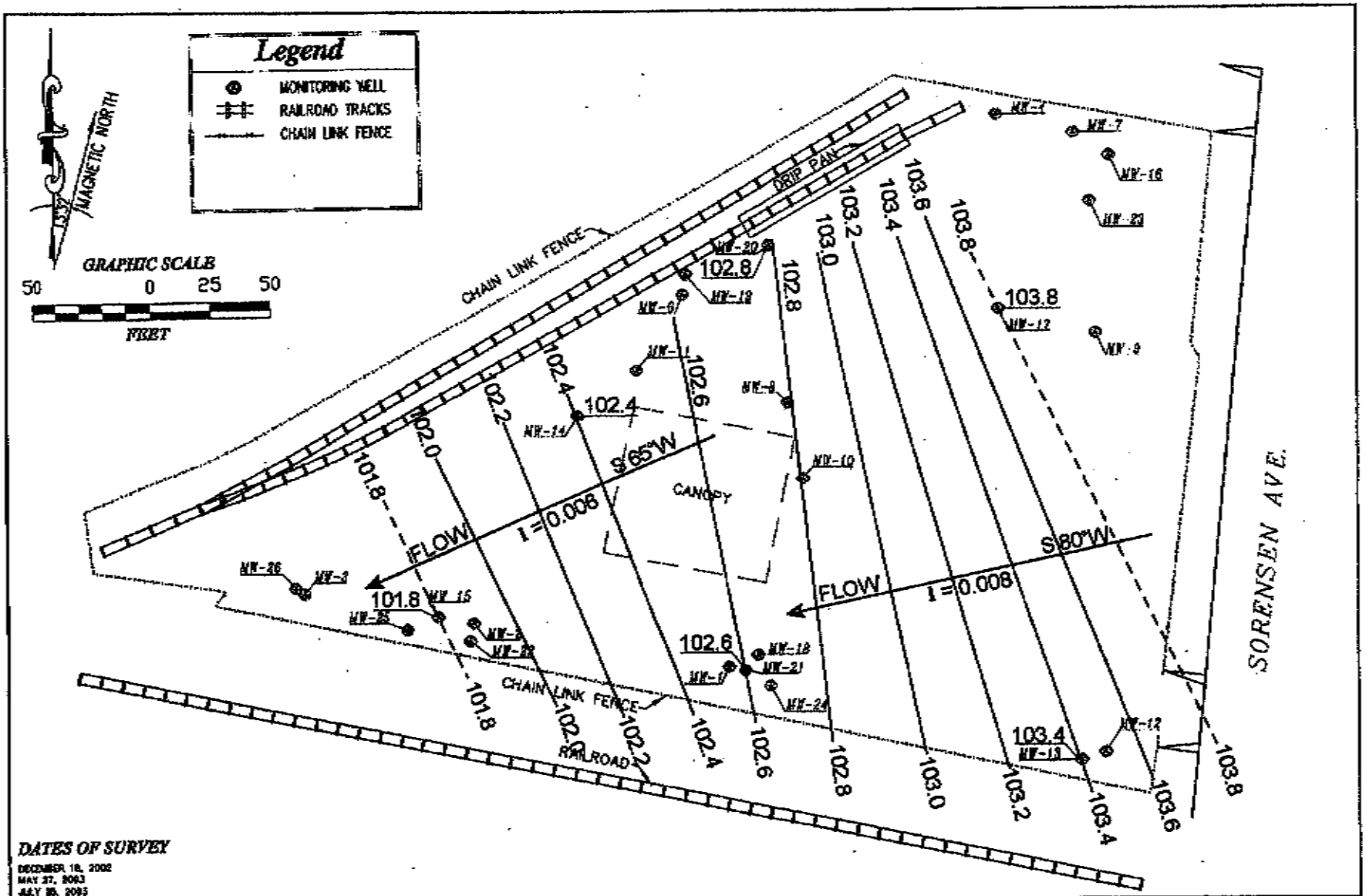


DATES OF SURVEY

DECEMBER 18, 2002
MAY 27, 2003
JULY 28, 2003

Prepared by:	First Water Potentiometric Gradient	FIGURE
Blakely Environmental Investigations, Inc. 4359 Phelan Road, Phelan, CA 92371	Former Angeles Chemical Company, 8915 Sorensen Ave., Santa Fe Springs, CA 90670	3

ANCHEM0611



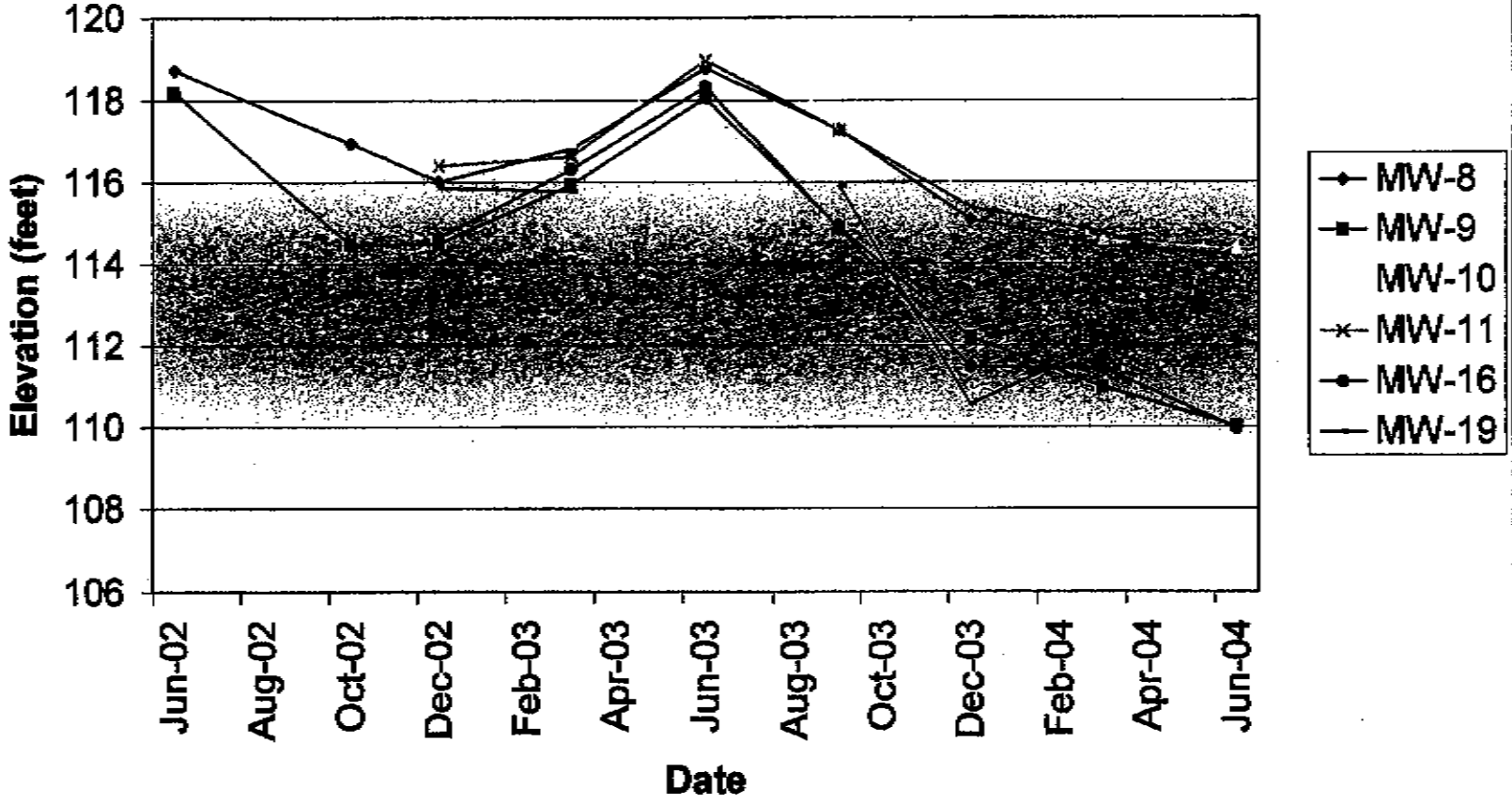
DATES OF SURVEY

DECEMBER 18, 2002
MAY 27, 2003
JULY 28, 2003

Prepared by: Blakely Environmental Investigations, Inc. 4359 Phelan Road, Phelan, CA 92371	A1 Zone Potentiometric Gradient Former Angeles Chemical Company, 8915 Sorensen Ave., Santa Fe Springs, CA 90670	FIGURE 4

ANCHEM0612

Figure 5: First Water Groundwater Elevations from Central and Northern Wells



ANCHEM0613

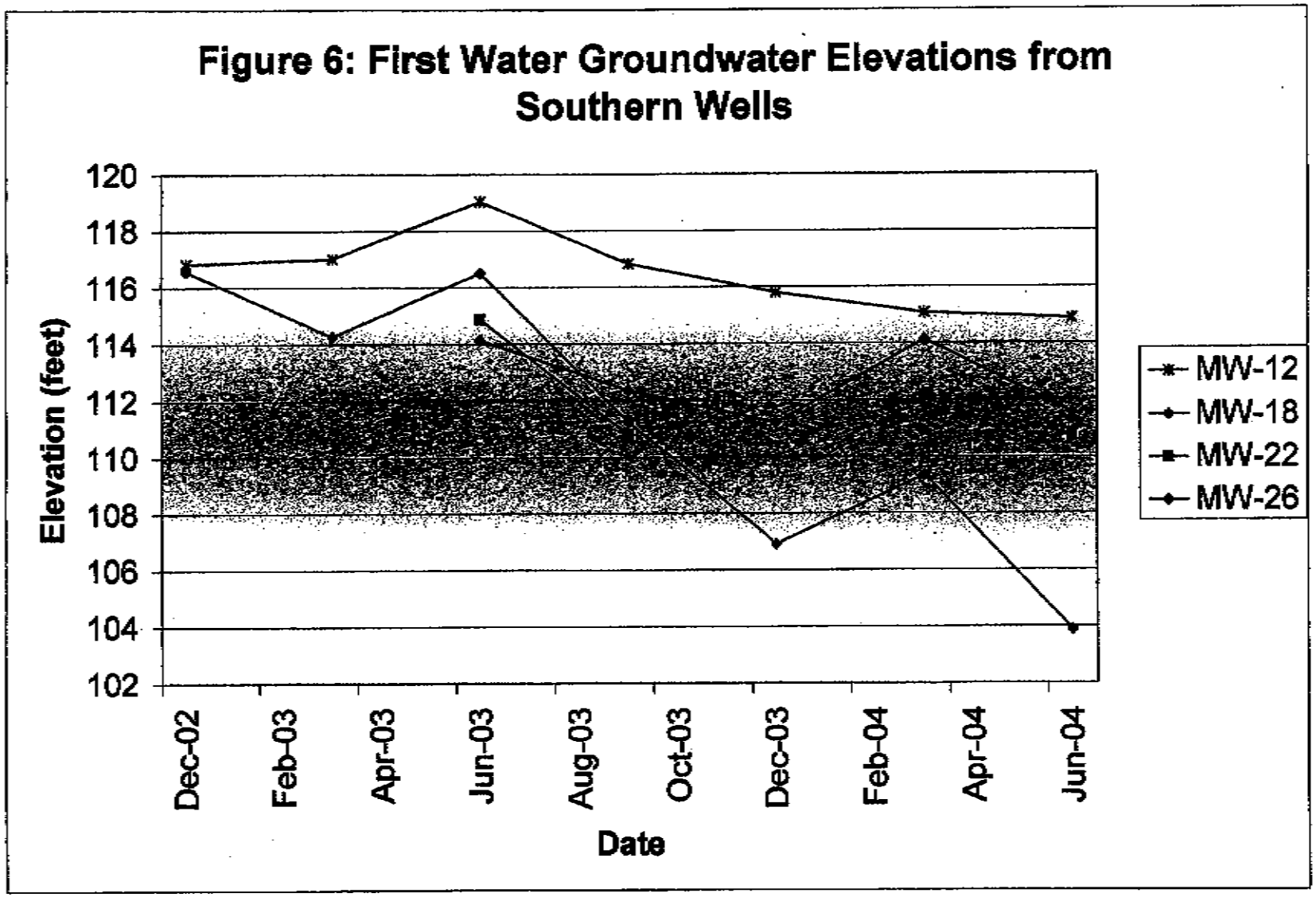


Figure 6: First Water Groundwater Elevations from Southern Wells
Elevation (feet)
120
118
116
114
112
110
108
106
104
102
Dec-02
Feb-03
Apr-03
Jun-03
Aug-03
Oct-03
Dec-03
Feb-04
Apr-04
Jun-04
Date
MW-12
MW-18
MW-22
MW-26

ANCHEM0614

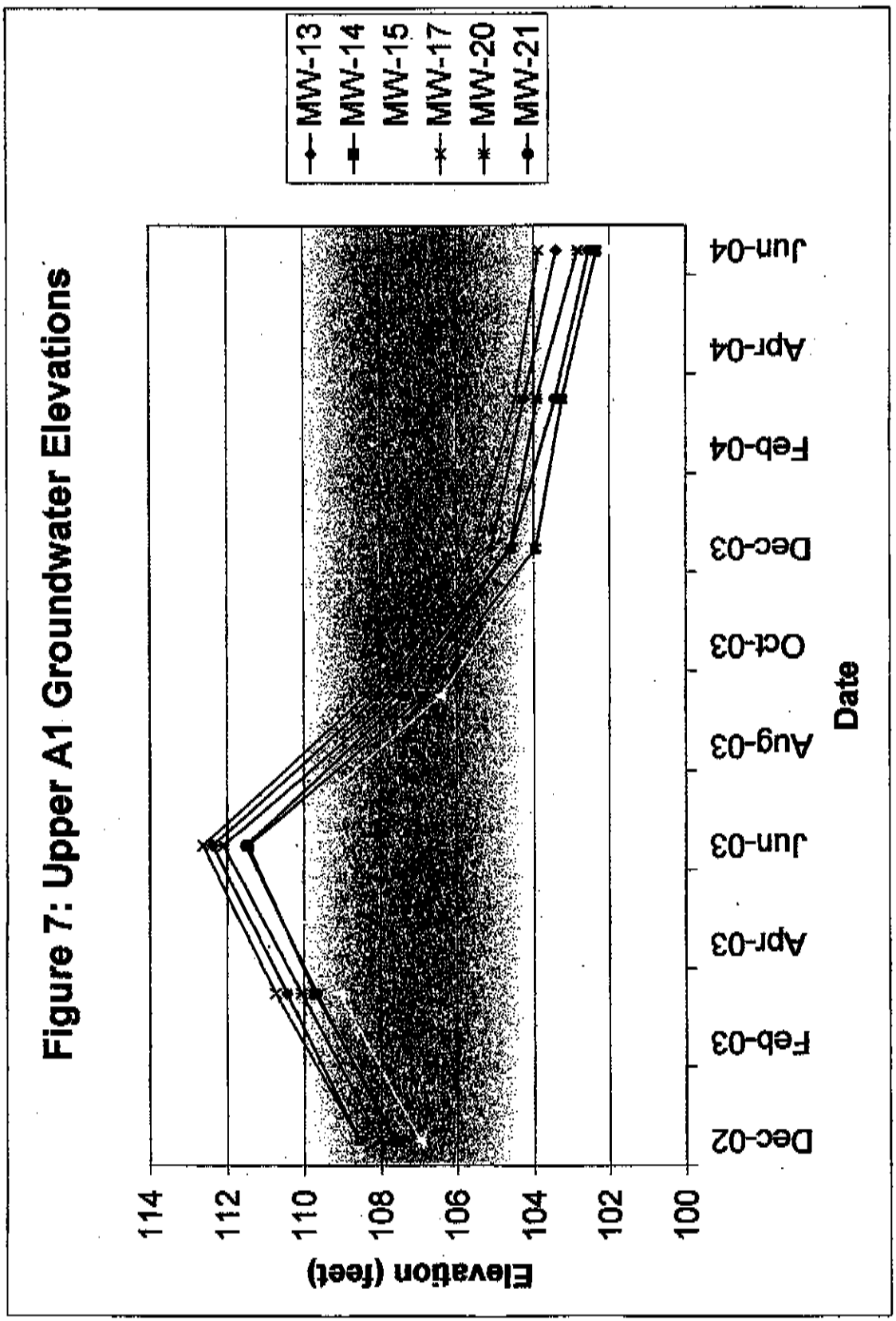
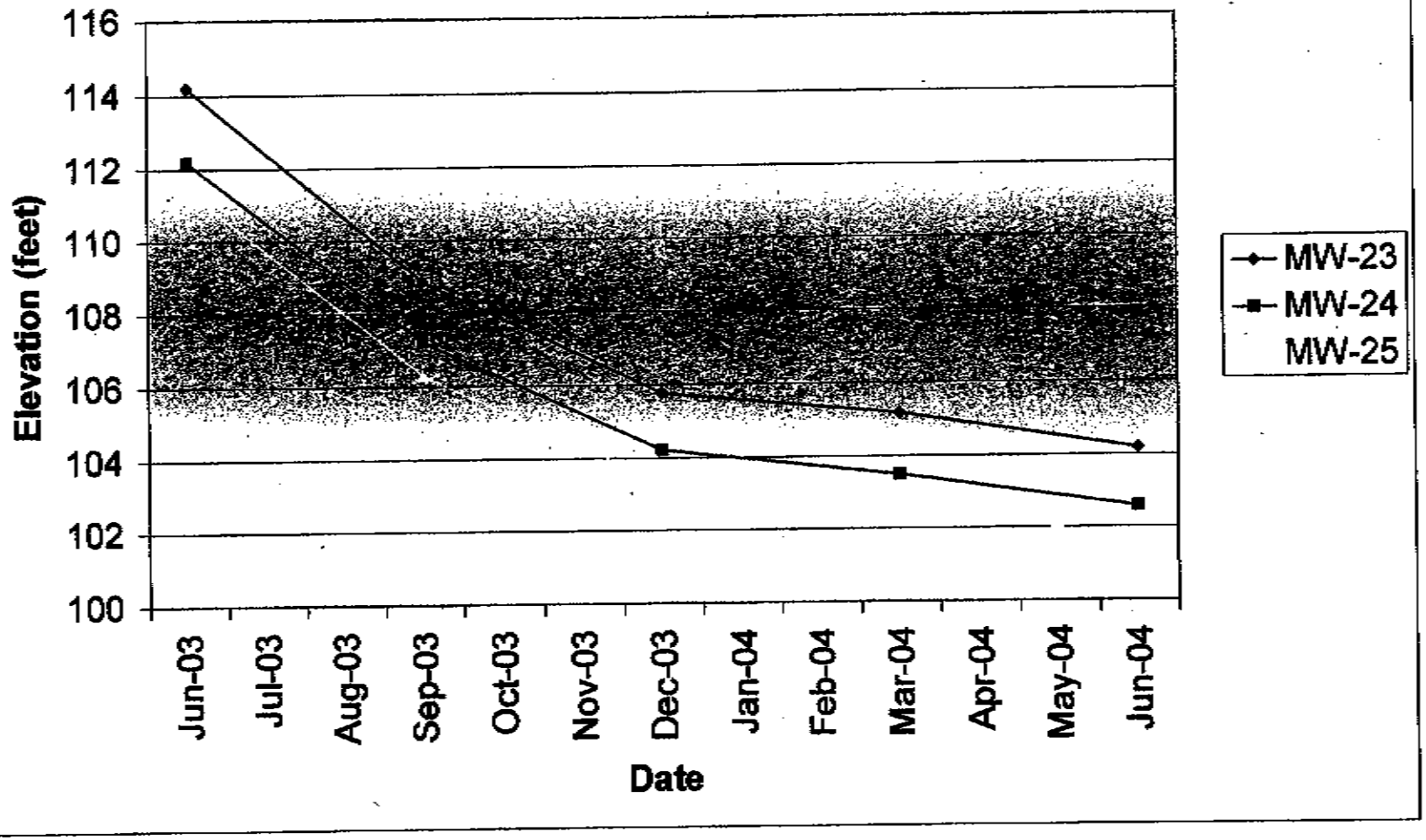


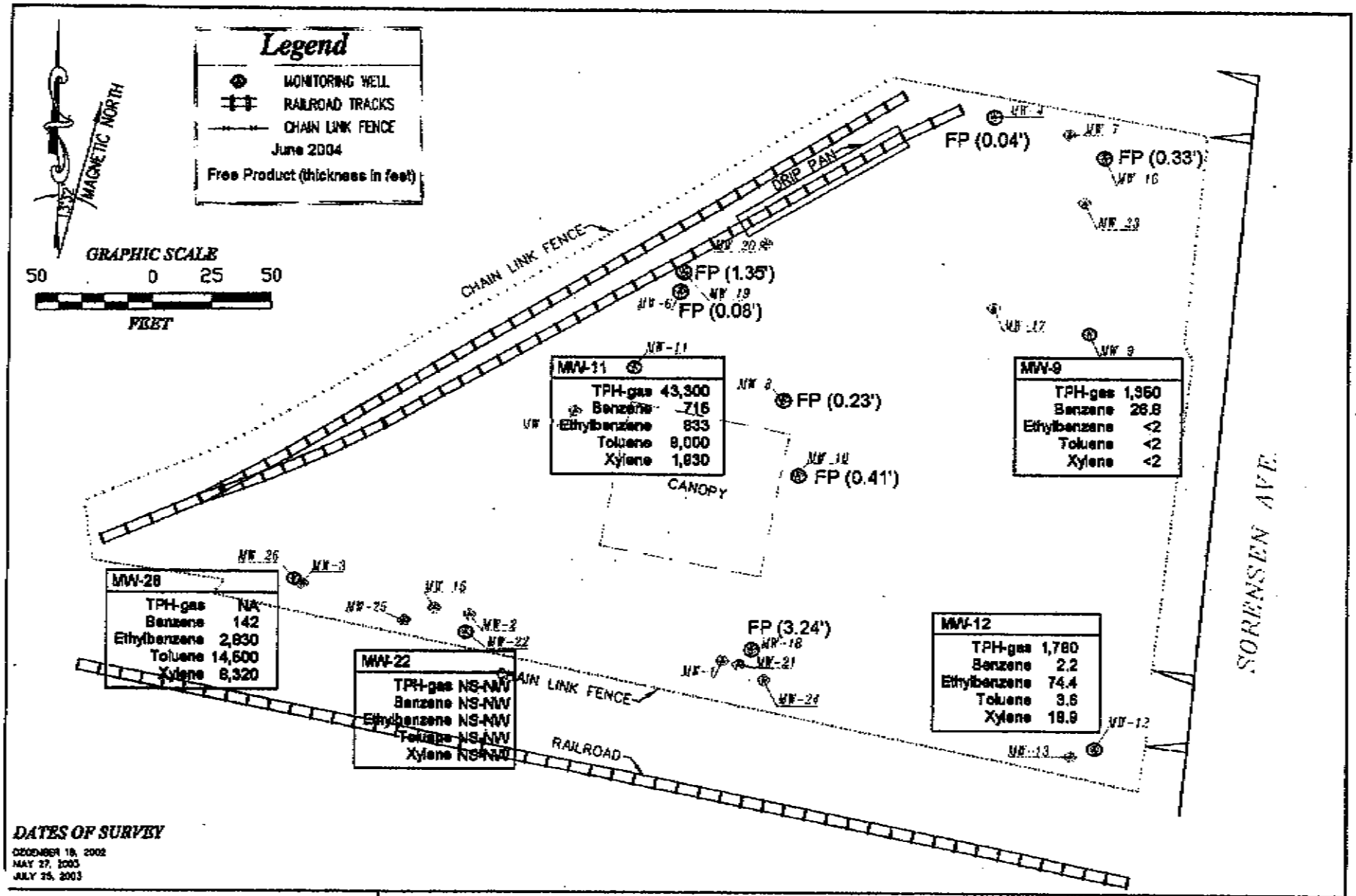
Figure 7: Upper A1 Groundwater Elevations
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
Elevation (feet)
114
112
110
108
106
104
102
100
Dec-02
Feb-03
Apr-03
Jun-03
Aug-03
Oct-03
Dec-03
Feb-04
Apr-04
Jun-04
Date

ANCHEM0615

Figure 8: Lower A1 Groundwater Elevations

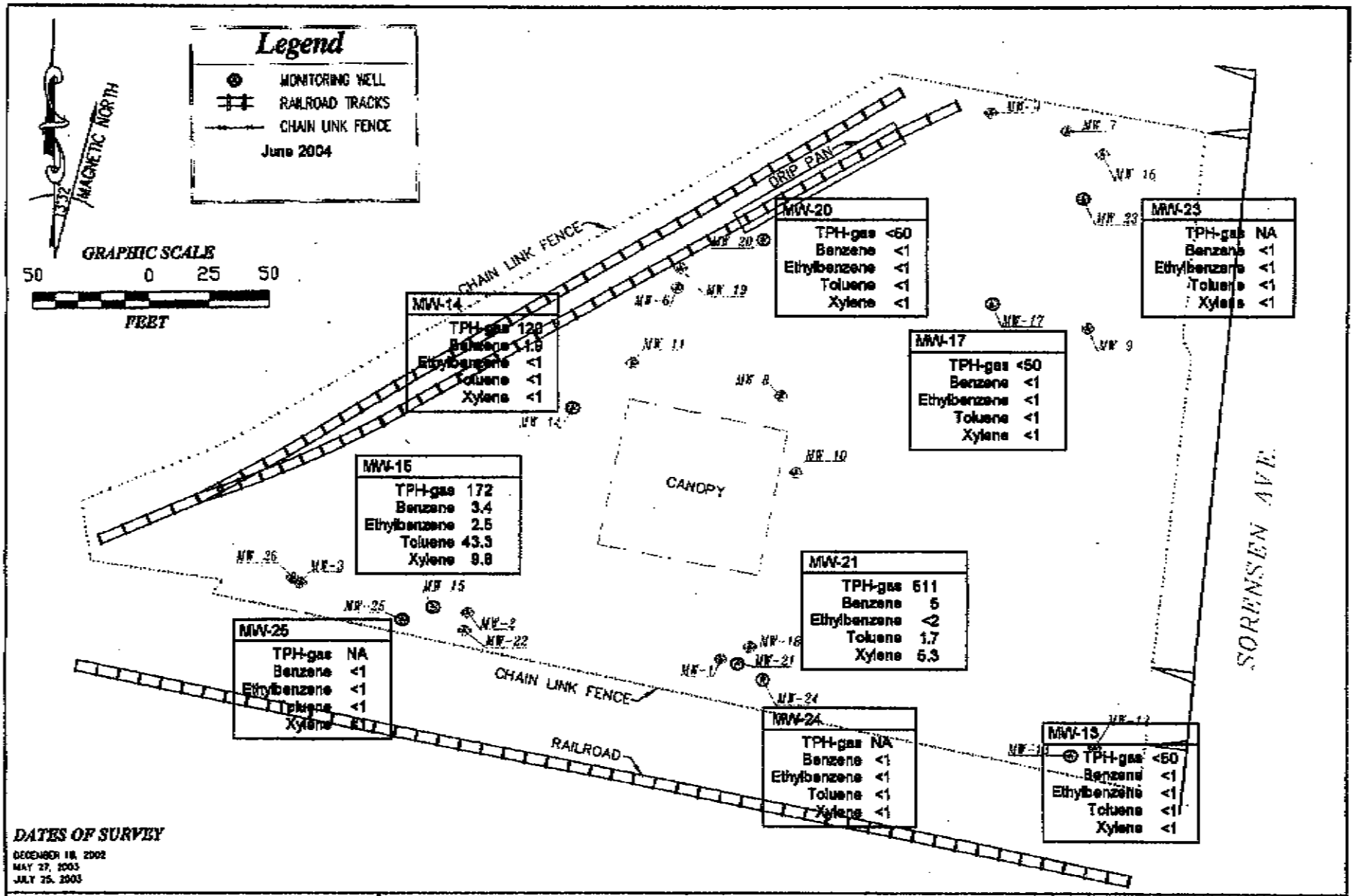


ANCHEM0616



Prepared by: Blakely Environmental Investigations, Inc. 4359 Phelan Road, Phelan, CA 92371	TPH-gas and BTEX Concentrations in First Water (µg/L) Former Angeles Chemical Company, 8915 Sorensen Ave., Santa Fe Springs, CA 90670	FIGURE 9

ANCHEM0617



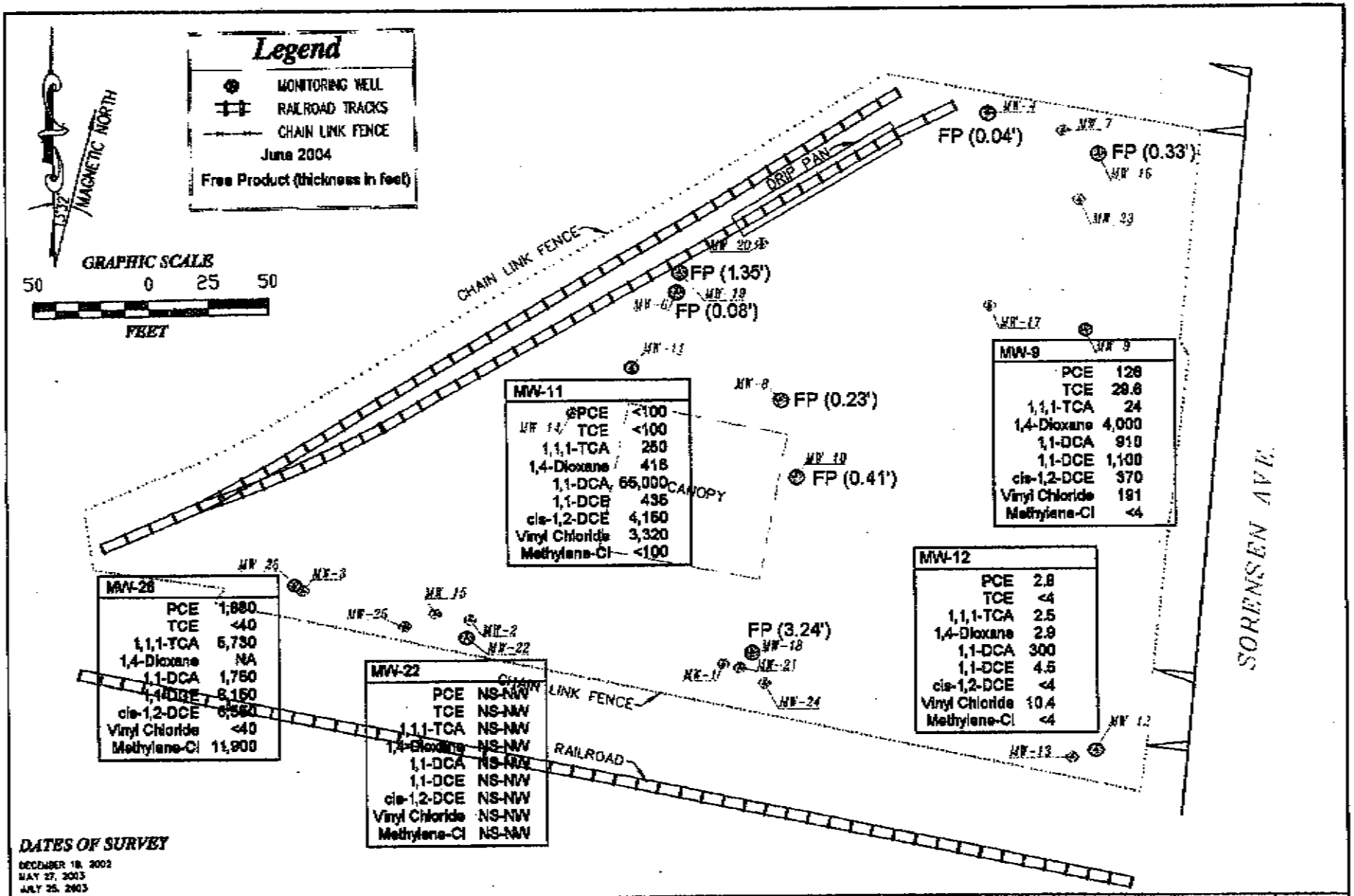
Prepared by:
Blakely Environmental Investigations, Inc.
4359 Phelan Road, Phelan, CA 92371

TPH-gas and BTEX Concentrations in Upper and Lower A1 Zones (µg/L)

Former Angeles Chemical Company, 8915 Sorensen Ave., Santa Fe Springs, CA 90670

FIGURE 10

ANCHEM0918



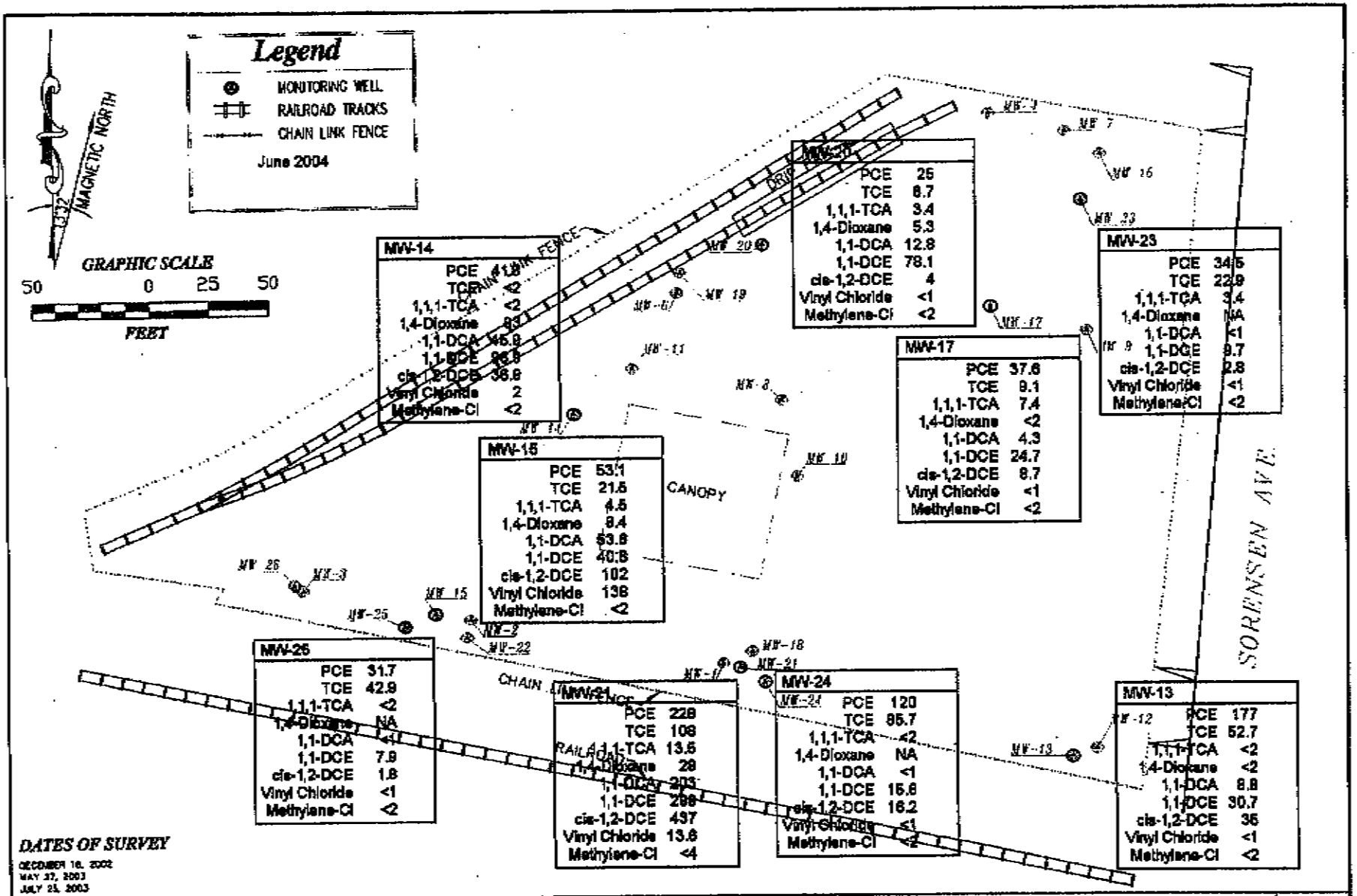
Prepared by:
Blakely Environmental Investigations, Inc.
4359 Phelan Road, Phelan, CA 92371

Chlorinated VOCs and 1,4-Dioxane Concentrations in First Water (µg/L)

Former Angeles Chemical Company, 8915 Sorensen Ave., Santa Fe Springs, CA 90670

FIGURE 11

ANCHEM0613



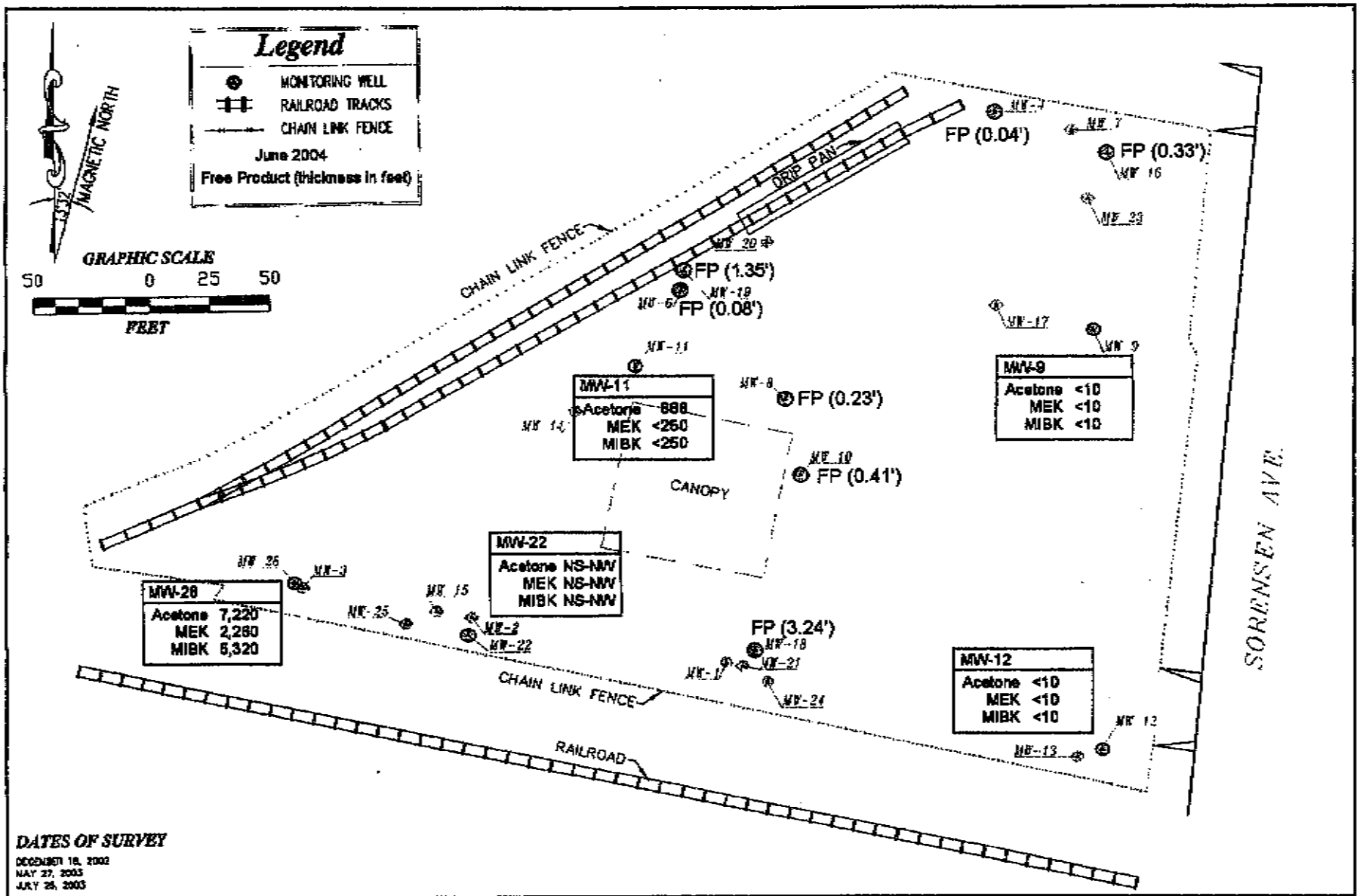
Prepared by:
Blakely Environmental Investigations, Inc.
4359 Phelan Road, Phelan, CA 92371

Chlorinated VOCs and 1,4-Dioxane Concentrations in Upper and Lower A1 Zones (µg/L)

Former Angeles Chemical Company, 8915 Sorensen Ave., Santa Fe Springs, CA 90670

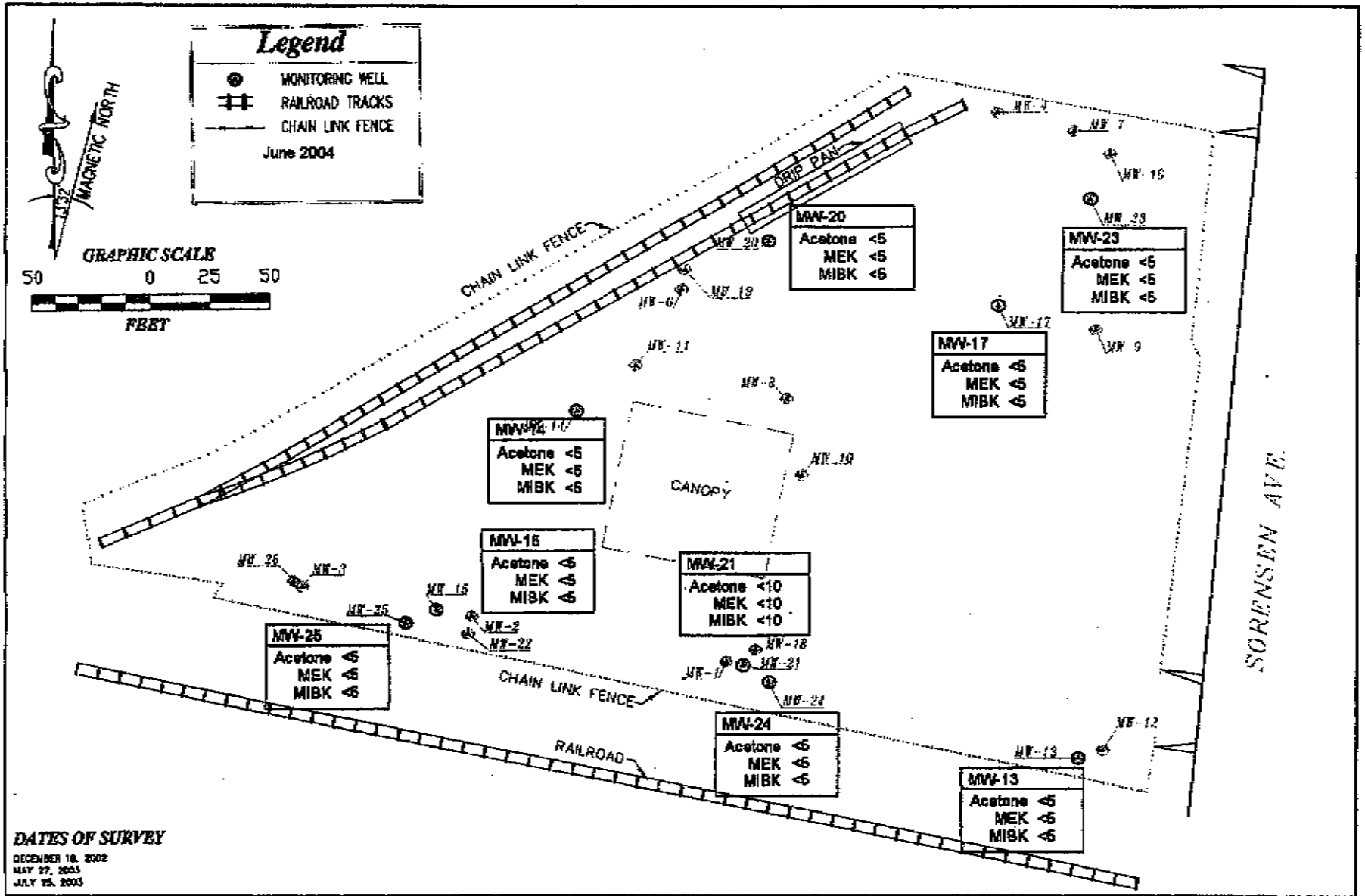
FIGURE 12

ANCHEM0620



Prepared by: Blakely Environmental Investigations, Inc. 4359 Phelan Road, Phelan, CA 92371	Acetone, MEK and MIBK Concentrations in First Water (µg/L)	FIGURE 13
	Former Angeles Chemical Company, 8915 Sorensen Ave., Santa Fe Springs, CA 90670	

ANCHEM0621



Prepared by: Blakely Environmental Investigations, Inc. 4359 Phelan Road, Phelan, CA 92371	Acetone, MEK and MIBK Concentrations in Upper and Lower A1 Zones (µg/L) Former Angeles Chemical Company, 8915 Sorensen Ave., Santa Fe Springs, CA 90670	FIGURE 14

ANCHEM0622

TABLES

Table 1: Well and Screen Elevations and Groundwater Depths to Water and Elevations (in feet)

	Date	MW-1	MW-2	MW-3	MW-4	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12
Well Elevation (TOC)		NA	150.42	150.79	148.27	149.39	149.62	149.63	149.15	148.41	148.12	150.09
Screened Interval (bg)		40 - 60	30 - 50	29 - 48	17 - 27	20 - 30	34 - 55	30.5-40.5	30.5-40.5	28 - 48	30 - 40	30 - 40
Screen Elevation												
	Top	NA	120.42	121.79	121.27	119.39	114.62	118.13	118.65	124.41	118.12	120.09
	Bottom	NA	100.42	101.79	101.27	109.39	93.62	108.13	108.65	108.41	109.12	110.09
Depth to Water (bg)												
	Feb-94	30.06'	28.8	28.7	23.35	24.85	24.83					
	Nov-99	35.82'	35.25	36.42	26.2	28.52	29.19					
	Oct-01	37.41'	37.91	39.18	26.35	NA	29.7					
	Nov-01	NA	NA	NA	26.35	28.85	NA					
	Feb-02	36.2'	36.39	37.39	26.44	30.52	30.21					
	Jun-02	37.82'	38.75	39.19	26.46	NA	30.07	30.91	30.96			
	Oct-02	42.42'	43.69	44.66	26.48	30.38	34.11	32.69	34.7			
	Dec-02	NA	43.19	44.22	26.38	FP only	34.03	33.62	34.67	32.63	32.71	33.38
	Mar-03	NA	41.07	41.35	26.36	FP only	33.18	32.71	32.32	32.44	32.48	33.07
	Jun-03	NA	39.98	39.96	26.36	FP only	30.44	30.93	31.1	30.41	30.15	31.25
	Sep-03	NA	NA	NA	26.41	FP only	NA	32.34	34.30	31.06	31.84	33.35
	Dec-03	NA	NA	NA	26.39	FP only	NA	34.55	34.95	33.71	33.73	34.3
	Mar-04	NA	NA	NA	26.41	FP only	NA	35.2	38.19	34.86	34.38	35.02
	Jun-04	NA	NA	NA	26.4	FP only	NA	35.42	38.15	35.09	34.38	35.2
Water Elevation												
	Feb-94	NA	121.62	121.09	124.92	124.54	124.79					
	Nov-99	NA	115.17	114.37	122.07	120.87	120.43					
	Oct-01	NA	112.51	111.6	121.92	NA	119.92					
	Nov-01	NA	NA	NA	121.97	120.54	NA					
	Feb-02	NA	114.03	113.4	121.83	118.87	119.41					
	Jun-02	NA	111.67	111.6	121.81	NA	119.55	118.72	118.18			
	Oct-02	NA	106.76	106.13	121.79	119.11	114.51	116.95	114.45			
	Dec-02	NA	107.23	106.57	121.89	NA	114.59	116.01	114.49	115.78	115.41	116.69
	Mar-03	NA	109.35	109.44	121.91	NA	116.44	116.92	116.94	115.97	115.63	117.02
	Jun-03	NA	110.44	110.84	121.92	NA	119.18	118.70	118.05	118	118.07	118.84
	Sep-03	NA	NA	NA	121.86	NA	NA	117.29	114.87	117.73	117.28	116.83
	Dec-03	NA	NA	NA	121.88	NA	NA	115.08	112.2	114.7	114.39	115.79
	Mar-04	NA	NA	NA	121.86	NA	NA	114.45	110.97	114.55	114.76	115.07
	Jun-04	NA	NA	NA	121.87	NA	NA	114.21	110.01	114.33	113.74	114.89

	Date	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26
Well Elevation (TOC)		150.32	150.65	150.4	148.32	148.03	148.88	148.2	148.14	150.02	150.67	148.42	148.3	150.84	150.83
Screened Interval (bg)		52 - 62	55 - 65	54 - 64	29 - 46	55 - 65	21 - 46	30 - 45	67 - 67	52 - 63	30 - 40	71 - 81	67 - 77	71 - 81	30 - 40
Screen Elevation															
	Top	98.32	95.65	96.6	119.32	93.03	128.63	118.2	82.14	97.02	120.67	77.42	82.3	79.84	120.83
	Bottom	88.22	85.65	86.6	102.32	83.03	103.33	104.2	82.14	97.02	110.67	67.42	72.3	69.84	110.83
Depth to Water (bg)															
	Feb-94														
	Nov-99														
	Oct-01														
	Nov-01														
	Feb-02														
	Jun-02														
	Oct-02														
	Dec-02	41.85	43.05	43.83	33.69	40.44	33.06	33.35	41.11	42.24					
	Mar-03	39.77	40.95	41.35	33.01	38.30	33.38	38.42	38.08	40.38					
	Jun-03	37.85	38.9	38.83	33.99	38.41	33.18	38.3	37.08	38.6	36.8	34.33	37.73	38.32	36.7
	Sep-03	42.15	45.75	44.18	33.48	40.60	36.37	33.39	41.57	42.06	39.87	38.65	42.60	44.35	38.43
	Dec-03	45.12	45.72	45.24	36.55	43.47	42.73	38.59	44.85	45.44	Dry	42.85	46.60	47.36	39.6
	Mar-04	45.85	47.41	47.52	36.59	44.56	40.36	37.15	43.22	46.60	38.51	43.25	46.41	48.05	36.7
	Jun-04	45.81	48.31	48.46	36.35	46.16	45.74	37.33	46.29	47.46	39.92	44.24	47.32	48.95	39.25
Water Elevation															
	Feb-94														
	Nov-99														
	Oct-01														
	Nov-01														
	Feb-02														
	Jun-02														
	Oct-02														
	Dec-02	108.47	107.6	106.97	114.63	100.59	115.67	115.07	106.03	107.78					
	Mar-03	110.45	108.71	109.07	115.31	110.73	114.27	116.78	110.06	109.64					
	Jun-03	112.37	111.48	110.88	115.33	112.62	116.6	110.9	113.09	111.82	114.87	114.19	112.17	111.42	114.13
	Sep-03	108.06	105.87	106.41	114.84	106.38	111.50	114.81	107.57	107.84	110.8	109.87	107.51	106.39	112.38
	Dec-03	105.1	105.94	105.76	111.47	106.59	106.9	110.50	104.61	104.58	Dry	105.77	104.51	103.39	111.23
	Mar-04	104.24	103.25	102.88	111.44	104.47	102.35	112.05	103.53	103.48	112.16	105.17	103.48	102.81	114.13
	Jun-04	103.41	102.35	102.11	109.98	103.89	103.89	111.97	102.85	102.54	110.75	104.18	102.68	101.89	111.38

ANCHEM0624

Table 2: TPH-gas and VOCs from Free Prodcut Sample Results using EPA Methods 8015 and 8260 (µg/L)

	Date	MW-6	MW-8	MW-10	MW-16	MW-18	MW-19
Screened Interval (bg)		20'-30'	30.5'-40.5'	25'-40'	29'-46'	21'-46'	30'-45'
TPH-gas	Jun-02	8.E+08	8.E+08	NA	NA	NA	NA
	Dec-03	NA	NA	NA	4.55E+08	NA	4.25E+08
	Mar-04	NA	NA	446000	NA	NA	NA
VOCs							
Acetone	Oct-01	<25,000*	NA	NA	NA	NA	NA
	Mar-04	NA	NA	<1,250,000	NA	<1,250,000	<1,250,000
Benzene	Oct-01	110,000*	NA	NA	NA	NA	NA
	Mar-04	NA	NA	<250,000	NA	<250,000	385,000
2-Butanone (MEK)	Oct-01	<25,000*	NA	NA	NA	NA	NA
	Mar-04	NA	NA	<1,250,000	NA	<1,250,000	<1,250,000
Chloroethane	Mar-04	NA	NA	<500,000	NA	<500,000	<500,000
1,1-Dichloroethane	Oct-01	592,000*	NA	NA	NA	NA	NA
	Mar-04	NS-FP	NS-FP	3,190,000	NS-FP	1,590,000	625,000
1,2-Dichloroethane	Oct-01	<5,000*					
	Mar-04	NS-FP	NS-FP	<500,000	NS-FP	<500,000	<500,000
1,1-Dichloroethene	Oct-01	417,000*	NA	NA	NA	NA	NA
	Mar-04	NS-FP	NS-FP	730,000	NS-FP	928,000	4,840,000
cis 1,2-Dichloroethene	Oct-01	1,060,000*	NA	NA	NA	NA	NA
	Mar-04	NS-FP	NS-FP	1,530,000	NS-FP	1,620,000	1,630,000
trans 1,2-Dichloroethene	Oct-01	<5,000*	NA	NA	NA	NA	NA
	Mar-04	NS-FP	NS-FP	<500,000	NS-FP	<500,000	<500,000
1,4 Dioxane	Mar-04	NS-FP	NS-FP	<12,500,000	NS-FP	<12,500,000	<12,500,000
Ethylbenzene	Oct-01	4,320,000*	NA	NA	NA	NA	NA
	Mar-04	NS-FP	NS-FP	5,330,000	NS-FP	7,080,000	6,960,000
Methylene Chloride	Oct-01	<5,000*	NA	NA	NA	NA	NA
	Mar-04	NS-FP	NS-FP	<500,000	NS-FP	<500,000	<500,000
4-Methyl-2-pentanone	Oct-01	<25,000*	NA	NA	NA	NA	NA
	Mar-04	NS-FP	NS-FP	<1,250,000	NS-FP	<1,250,000	<1,250,000
Naphthalene	Oct-01	1,680,000*	NA	NA	NA	NA	NA
	Mar-04	NS-FP	NS-FP	1,980,000	NS-FP	1,620,000	4,120,000

Table 2: TPH-gas and VOCs from Free Prodcut Sample Results using EPA Methods 8015 and 8260 (µg/L)

VOCs	Date	MW-6	MW-8	MW-10	MW-16	MW-18	MW-19
n-Propylbenzene	Mar-04	NS-FP	NS-FP	2,820,000	NS-FP	3,230,000	2,980,000
Tetrachloroethene	Oct-01	531,000*	NA	NA	NA	NA	NA
	Mar-04	NS-FP	NS-FP	<500,000	NS-FP	543,000	4,820,000
1,1,1-Trichloroethane	Oct-01	28,100,000*	NA	NA	NA	NA	NA
	Mar-04	NS-FP	NS-FP	8,870,000	NS-FP	4,140,000	35,000,000
Trichloroethene	Oct-01	753,000*	NA	NA	NA	NA	NA
	Mar-04	NS-FP	NS-FP	<500,000	NS-FP	<500,000	560,000
1,2,4-Trimethylbenzene	Oct-01	22,100,000*	NA	NA	NA	NA	NA
	Mar-04	NS-FP	NS-FP	31,900,000	NS-FP	30,600,000	45,400,000
1,3,5-Trimethylbenzene	Oct-01	5,400,000*	NA	NA	NA	NA	NA
	Mar-04	NS-FP	NS-FP	8,560,000	NS-FP	9,020,000	9,480,000
Toluene	Oct-01	9,010,000*	NA	NA	NA	NA	NA
	Mar-04	NS-FP	NS-FP	8,620,000	NS-FP	15,300,000	11,400,000
Vinyl Chloride	Oct-01	<5,000*	NA	NA	NA	NA	NA
	Mar-04	NS-FP	NS-FP	<500,000	NS-FP	<500,000	<500,000
Xylenes	Oct-01	10,370,000*	NA	NA	NA	NA	NA
	Mar-04	NS-FP	NS-FP	17,600,000	NS-FP	22,500,000	16,000,000
NA= Not Analyzed.							
Blue= Chemicals stored on-site.							
Red= Transformation compounds.							

Table 3: Conductivity, pH, and TPH-gas Groundwater Sample Results using EPA Method 8015 (µg/L)																										
	Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26
Screened Interval (bg)		40-60'	37-50'	29-49'	17-37'	20-30'	34-38'	30.5-40.5'	30.5-45.5'	25-40'	30-40'	30-40'	52-62'	55-65'	54-57'	25-40'	55-65'	21-40'	30-45'	37-57'	25-45'	30-40'	71-81'	67-77'	71-81'	30-40'
DTW (ft)	Feb-94	30.06'	28.87'	28.70'	23.38'	24.83'	24.57																			
	Nov-00	36.49'	34.38'	36.42'	28.30'	26.85'	28.19'																			
	Oct-01	37.41'	37.01'	39.19'	28.30'	NA	29.70'																			
	Nov-01	NA	NA	NA	28.58'	24.85'	NA																			
	Feb-02	35.2'	35.39'	37.30'	28.44'	28.38'	28.21'																			
	Jun-02	37.92'	39.79'	39.19'	28.48'	NA	30.07'	30.51'	30.98'																	
	Oct-02	42.43'	43.69'	44.98'	28.48'	30.38'	34.11'	32.88'	34.70'																	
	Dec-02	NA	43.19'	44.22	28.38'	FP only	34.03'	33.62'	34.47'	32.69'	33.77'	33.38'	41.07'	43.08'	43.65'	33.80'	40.44'	33.08'	33.33'	41.11'	43.34'					
	Mar-03	NA	41.07'	41.39'	28.38'	FP only	33.19'	32.71'	[illegible]	32.44'	33.49'	33.07'	30.77'	40.86'	41.36'	32.01'	36.38'	30.39'	33.42'	38.08'	40.38'					
	Jun-03	NA	38.98'	39.38'	28.38'	FP only	30.44'	30.85'	31.10'	30.41'	30.19'	31.09'	37.29'	30.37'	29.62'	29.89'	30.41'	33.13'	34.30'	37.08'	38.09'	35.90'	34.27'	37.73'	39.92'	39.7'
	Sep-03	NA	NA	NA	28.41'	FP only	NA	32.34'	34.39'	31.69'	31.64'	33.39'	42.19'	43.79'	44.17'	33.49'	40.63'	38.37'	33.39'	41.37'	42.88'	39.87'	39.89'	42.60'	44.39'	38.49'
	Dec-03	NA	NA	NA	28.30'	FP only	NA	34.55'	33.69'	33.71'	33.78'	32.9'	43.12'	48.72'	44.62'	33.62'	43.47'	42.77'	33.69'	44.89'	45.44'	Dry	42.44'	43.60'	47.39'	39.6'
	Mar-04	NA	NA	NA	28.41	FP only	NA	35.2	35.19	34.83	34.38	35.72	45.38	47.41	47.38	35.38	44.86	40.38	37.13	43.52	46.30	38.81	45.38	45.41	46.08	39.7
	Jun-04	NA	NA	NA	29.4	FP only	NA	35.42	36.15	36.08	36.38	35.2	46.81	45.31	48.40	38.38	46.15	43.74	37.23	46.29	47.48	39.92	44.24	47.32	48.85	39.25
Conductivity	Dec-02	NA	2011	2068	NA	NA	2710	NA	2361	3971	2898	1572	1574	1898	1821	2109	1880	3015	3077	1907	1748					
	Mar-03	NA	2094	1974	NA	NA	2768	NA	2253	4382	3763	1482	1802	1913	1870	2011	1882	2243	3019	1825	1899					
	Jun-03	NA	1765	1851	NA	NA	2862	NA	2406	4436	3245	1192	1838	1571	1851	1851	1913	2903	6917	1706	1730	2400	1200	1200	1800	2000
	Sep-03	NA	NA	NA	NA	NA	NA	NA	2540	2978	2880	1512	1804	2100	1948	2219	2880	3023	NS-FP	1088	1910	NS-NW	2288	1788	1883	NS-NW
	Dec-03	NA	NA	NA	NA	NA	NA	NA	[illegible]	2980	2079	1387	1808	1884	1937	NS-FP	1851	2874	NS-FP	2182	1848	NS-NW	NA	NA	NA	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	[illegible]	NS-FP	2682	1515	2080	[illegible]	2078	NS-FP	1854	NS-FP	NS-FP	[illegible]	2080	[illegible]	NA	NA	NA	[illegible]
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	2474	NS-FP	2802	1270	1812	1764	1828	NS-FP	1897	NS-FP	NS-FP	1779	1807	NA	1117	1507	1807	2082
pH	Dec-02	NA	6.85	6.62	NA	NA	6.75	NA	6.64	6.62	6.87	7.02	[illegible]	6.85	6.95	6.34	6.93	6.86	7.02	6.59	6.89					
	Mar-03	NA	6.6	6.9	NA	NA	6.7	NA	7	6.7	6.8	7.1	7.3	7	7.4	6.6	7.2	6.8	6.9	7.3	7.9					
	Jun-03	NA	6.9	6.7	NA	NA	6.8	NA	6.7	6.4	6.8	6.4	6.4	6.8	6.7	6.3	6.6	6.3	6.7	6.8	6.8	NA	NA	NA	NA	NA
	Sep-03	NA	NA	NA	NA	NA	NA	NA	6.61	6.66	6.52	6.49	6.86	6.9	6.73	6.7	6.85	6.39	NS-FP	6.79	6.77	NS-NW	6.64	6.74	6.67	NS-NW
	Dec-03	NA	NA	NA	NA	NA	NA	NA	6.9	6.8	6.7	7.4	6.8	7.1	7	NS-FP	7.1	6.4	NS-FP	7	6.8	NS-NW	NA	NA	NA	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	6.7	NA	7	7	6.8	6.8	6.7	NS-FP	6.7	NS-FP	NS-FP	6.7	6.8	6.4	NA	NA	NA	7
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	6.7	NS-FP	6.8	6.9	6.9	6.7	6.7	NS-FP	6.8	NS-FP	NS-FP	6.8	6.7	NA	6.1	4.5	4.6	6.8

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Table 3 (cont.): Conductivity, pH, and TPH-gas Groundwater Sample Results using EPA Method 8015 (µg/L)

	Date	MW-1	MW-2	MW-3	MW-4	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26
TPH-gas	Feb-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
	Nov-00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
	Oct-01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
	Feb-02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
	Jun-02	724000	14800	22600	NS-FP	Table 2	3850	Table 2	22700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
	Oct-02	92800	7370	29800	NS-FP	NS-FP	8300	42300	1730	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
	Dec-02	NA	9820	11400	NS-FP	NS-FP	6250	NS-FP	1890	64800	22800	9420	98	7130	328	3350	77	41700	107000	87	405					
	Mar-03	NA	15800	12200	NS-FP	NS-FP	3470	NS-FP	3800	68100	24700	1730	<50	1480	270	8360	<50	85000	177000	92	745					
	Jun-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2830	<50	<50	<50	26400
	Sep-03	NA	NA	NA	NA	NA	NA	NA	1280	68000	80200	1300	109	99	229	1450	<50	44800	NA	<50	908	NS-NW	<50	<50	<50	58200
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	1380	77200	67300	9060	64	331	780	Table 2	<50	45600	Table 2	1080	2140	NS-NW	NA	NA	NA	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	1,430	Table 2	43,500	4,410	<50	154	1,850	NS-FP	<50	NS-FP	NS-FP	<50	2,050	3,020	NA	NA	NA	41,000
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	1,380	NS-FP	43,300	1,780	<50	120	172	NS-FP	<50	NS-FP	NS-FP	<50	511	NA	NA	NA	NA	NA

DTW= Depth to Water (below top of well casing).
NA= Not Analyzed.
NS-FP= Not Sampled Free Product present.
NS-NW= Not Sampled Not Enough Water present.
*= Abandoned Well.

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Table 4: Detected VOCs from Groundwater Sample Results using EPA Method 8260 (µg/L)

	Date	MW-1	MW-2	MW-3	MW-4	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26
Screened Interval (bg)		[illegible]	[illegible]	[illegible]	17-27	[illegible]	34-49	38.5-63.5'	38.5-63.5'	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	37-47	37-47	33-43	[illegible]	71-81'	67-77'	71-81'	37-47
DTW (Depth to Water)	Feb-00	33.05'	33.30'	28.70'	23.35'	24.35'	34.39'																			
	Nov-00	35.65'	38.38'	35.45'	25.37'	25.52'	35.17'																			
	Oct-01	37.41'	37.51'	36.19'	26.36'	NA	36.70'																			
	Nov-01	NA	NA	NA	28.38'	28.80'	NA																			
	Feb-02	38.2'	38.39'	37.39'	28.44'	35.32'	36.21'																			
	Jun-02	37.82'	38.70'	34.15'	28.40'	NA	30.07'	30.51'	30.88'																	
	Oct-02	42.47'	43.65'	44.60'	28.48'	30.38'	34.11'	32.48'	34.70'																	
	Dec-02	NA	43.19'	44.22'	33.38'	FP only	34.05'	33.82'	34.87'	32.83'	32.71'	33.38'	41.80'	43.09'	43.35'	33.80'	40.44'	33.09'	33.38'	41.11'	43.34'					
	Mar-03	NA	41.87'	41.38'	38.58'	FP only	33.15'	34.51'	33.32'	33.44'	32.49'	33.07'	30.77'	40.87'	41.52'	33.70'	38.98'	35.50'	33.42'	38.08'	40.39'					
	Jun-03	NA	38.88'	38.59'	33.33'	FP only	30.44'	30.89'	31.10'	30.41'	30.19'	31.02'	37.85'	38.39'	39.28'	38.38'	38.41'	35.19'	38.38'	37.08'	38.50'	35.60'	34.36'	37.78'	38.35'	38.7'
	Sep-03	NA	NA	NA	28.41'	FP only	NA	32.34'	34.39'	31.88'	31.87'	33.38'	42.18'	43.79'	44.19'	33.47'	40.88'	38.57'	33.98'	41.87'	42.88'	38.87'	38.98'	42.80'	44.30'	38.49'
	Dec-03	NA	NA	NA	28.39'	FP only	NA	34.89'	36.59'	35.71'	35.72'	34.7'	45.12'	46.72'	46.80'	38.80'	43.47'	42.73'	38.89'	44.69'	45.44'	Dry	42.80'	45.80'	47.30'	38.7'
	Mar-04	NA	NA	NA	28.41	FP only	NA	38.2	38.15	34.86	34.35	35.85	46.86	47.41	47.83	38.85	44.86	45.39	37.15	46.22	46.50	38.31	48.35	48.41	46.55	38.7
	Jun-04	NA	NA	NA	28.4	FP only	NA	38.42	39.15	38.08	36.38	36.2	48.31	48.31	46.24	38.38	46.16	46.74	37.23	48.39	47.48	38.82	44.34	47.22	46.80	38.35
VOCs																										
Acetone	Oct-01	<1,250	<250	<625	NS-NW	Table 2	1,190																			
	Feb-02	<625	<62.5	2,150	NS-FP	NS-FP	748																			
	Jun-02	<1,250	<2,500	<625	NS-FP	NS-FP	<125	NS-FP	<500																	
	Oct-02	<2,500	<250	<250	NS-FP	NS-FP	<1,250	NS-FP	<125																	
	Dec-02	NA	<1,250	<1,250	NS-FP	NS-FP	<625	NS-FP	<125	23,500	552	<125	<25	<625	<250	<1,250	<25	38,000	70,000	<25	<125					
	Mar-03	NA	<5,000	<2,500	NS-FP	NS-FP	<625	NS-FP	<125	23,500	6,760	<250	<25	<625	<250	<625	<25	38,700	70,200	<50	<125					
	Jun-03	NA	<500	<1,000	NS-FP	NS-FP	<125	NS-FP	<50	48,000	13,600	<125	<25	<25	<62.5	<125	<25	82,700	100,000	<62.5	<5	<250	<25	<25	<25	34,100
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<50	71,000	6,950	<12.5	<5	<5	<10	<125	<5	44,200	NS-FP	<5	<25	NS-NW	<5	<5	<5	36,300
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<5	15,300	2,340	<12.5	<5	<10	<12.5	NS-FP	<5	32,400	NS-FP	<5	<100	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<50	Table 2	33,000	<12.5	<5	<5	<5	NS-FP	<5	Table 2	Table 2	<5	<12.5	<10	Table 5	Table 5	Table 5	10,300
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	690	<10	<5	<5	<5	NS-FP	<5	NS-FP	NS-FP	<5	<10	NS-NW	<5	<5	<5	7,220
Methylene [illegible]	Feb-00	194	<100	65	111	795	48																			
	Nov-00	<2,500	61	75	NS-FP	NS-FP	60																			
	Oct-01	125	105	110	NS-NW	Table 2	55																			
	Feb-02	221	304	109	NS-FP	NS-FP	63.2																			
	Jun-02	300	295	125	NS-FP	NS-FP	<5	NS-FP	60.8																	
	Oct-02	345	177	88.2	NS-FP	NS-FP	121	NS-FP	885																	
	Dec-02	NA	195	137	NS-FP	NS-FP	<25	NS-FP	86.2	<500	451	18.8	1	<25	<10	78	<1	610	1,150	<1	7.8					
	Mar-03	NA	172	127	NS-FP	NS-FP	62.5	NS-FP	84	302	974	13.3	<1	<25	<10	82.5	<1	<800	1,100	<1	9					
	Jun-03	NA	<100	<200	NS-FP	NS-FP	61	NS-FP	64.4	250	680	<5	<1	<1	6.7	97.8	<1	392	1,200	<2.5	18	13.6	<1	<1	<1	128
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	76	360	778	5.5	<1	5.8	5.8	72	<1	385	NS-FP	<1	65	NS-NW	<1	<1	<1	270
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	3.1	382	768	9.1	<1	14.8	12.8	NS-FP	<1	418	NS-FP	1.3	62	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	28.3	Table 2	838	7.5	<1	4.8	36.1	NS-FP	<1	Table 2	Table 2	<1	82.7	34	Table 5	Table 5	Table 5	223
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	38.8	NS-FP	716	2.2	<1	1.8	3.4	NS-FP	<1	NS-FP	NS-FP	<1	5	NS-NW	<1	<1	<1	152

Table 4 (cont.): Detected VOCs from Groundwater Sample Results using EPA Method 8260 (µg/L)

VOCs	Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26
2-Butanone (MEK)	Feb-94	NA	NA	NA	NA	NA	NA																			
	Nov-00	3,100	<10,000	<10,000	NS-FP	NS-FP	1,400																			
	Oct-01	<1,250	<250	500	NS-NW	Table 2	880																			
	Feb-02	<625	<62.5	<500	NS-FP	NS-FP	<50																			
	Jun-02	<1,250	<2,500	<625	NS-FP	NS-FP	<125	NS-FP	<500																	
	Oct-02	<2,500	<250	<250	NS-FP	NS-FP	<1,250	NS-FP	<125																	
	Dec-02	NA	<1,250	<1,250	NS-FP	NS-FP	<625	NS-FP	<125	15,300	1,180	<125	<25	<625	<250	<1,250	<25	6,300	16,500	<25	<125					
	Mar-03	NA	<5,000	<2,500	NS-FP	NS-FP	<625	NS-FP	<125	21,100	15,600	<250	<25	<625	<250	<625	<25	22,000	28,300	<25	<125					
	Jun-03	NA	<500	<1,000	NS-FP	NS-FP	<125	NS-FP	<25	20,200	5,480	<125	<25	<25	<62.5	<125	<25	28,600	<3,600	<62.5	<5	<250	<25	<25	<25	11,300
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<50	68,000	6,880	<12.5	<5	<5	<10	<125	<5	32,000	NS-FP	<5	<25	NS-NW	<5	<5	<5	11,000
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<5	4,380	<1,000	<12.5	<5	<10	<12.5	NS-FP	<5	25,700	NS-FP	<5	<100	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<50	Table 2	13,600	<12.5	<5	<5	<5	NS-FP	<5	Table 2	Table 2	<5	<12.5	<10	Table 5	Table 5	Table 5	6,080
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	<250	<10	<5	<5	<5	NS-FP	<5	NS-FP	NS-FP	<5	<10	NS-NW	<5	<5	<5	2,280
Chloroethane	Feb-02	<125	119	<100	NS-FP	NS-FP	17																			
	Jun-02	<250	<500	<125	NS-FP	NS-FP	<25	NS-FP	<100																	
	Oct-02	<500	<50	<50	NS-FP	NS-FP	<250	NS-FP	<25																	
	Dec-02	NA	<250	<250	NS-FP	NS-FP	<125	NS-FP	<25	<2,500	<125	<25	<5	<125	<30	<250	<5	<500	<2,500	<5	<25					
	Mar-03	NA	<1,000	<500	NS-FP	NS-FP	348	NS-FP	<25	<1,000	888	<50	<5	<125	<50	<125	<5	<2,500	<2,500	<5	<25					
	Jun-03	NA	4,300	11,200	NS-FP	NS-FP	311	NS-FP	<25	6,000	780	<10	<2	<2	<5	<50	<2	1,370	2,880	<5	<5	<20	<2	<2	<2	<100
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<20	920	1,700	<5	<2	<2	<4	<50	<2	<50	NS-FP	<2	<10	NS-NW	<2	<2	<2	<100
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<2	836	1,000	<5	<2	<4	<5	NS-FP	<2	<200	NS-FP	<2	<40	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<25	Table 2	4,670	<5	<2	<2	40.4	NS-FP	<2	Table 2	Table 2	<2	<5	104	Table 5	Table 5	Table 5	2,000
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<4	NS-FP	3,960	<4	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	<4	NS-NW	<2	<2	<2	<40
1,1-Dichloroethane	Feb-94	649	1,130	85	1410	2,280	2,130																			
	Nov-00	17,000	1,800	800	NS-FP	NS-FP	2,800																			
	Oct-01	3,180	1,600	1,030	NS-NW	Table 2	3,670																			
	Feb-02	20,800	2,310	1,350	NS-FP	NS-FP	5,480																			
	Jun-02	19,000	2,780	1,340	NS-FP	NS-FP	4,160	NS-FP	1,210																	
	Oct-02	10,400	2,550	1,130	NS-FP	NS-FP	6,880	NS-FP	1,380																	
	Dec-02	NA	1,880	1,180	NS-FP	NS-FP	3,330	NS-FP	1,180	43,700	18,400	3,260	17.3	171	79.5	3,330	13	4,380	6,180	19.2	141					
	Mar-03	NA	2,180	1,710	NS-FP	NS-FP	3,750	NS-FP	1,080	41,800	48,800	1,660	6.4	180	117	3,130	2.8	6,750	8,110	18	276					
	Jun-03	NA	1,140	1,220	NS-FP	NS-FP	3,470	NS-FP	1,480	61,700	37,200	384	11.8	<2	107	3,330	<2	6,630	6,840	47.8	686	1,200	<2	<2	<2	891
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	1,380	47,400	45,000	806	<2	101	48	4,480	<2	7,040	NS-FP	28.8	1,370	NS-NW	3.1	<2	8	1,870
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	60	69,300	48,300	723	3.3	218	282	NS-FP	<2	6,440	NS-FP	120	2,300	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	965	Table 2	52,700	488	2.8	110	672	NS-FP	<1	Table 2	Table 2	89.2	3,240	1,800	Table 5	Table 5	Table 5	3,400
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	910	NS-FP	56,000	350	8.8	45.9	53.8	NS-FP	4.3	NS-FP	NS-FP	12.8	203	NS-NW	<1	<1	<1	1,780

Table 4 (cont.): Detected VOCs from Groundwater Sample Results using EPA Method 8260 (µg/L)

VOCs	Date	MW-1*	MW-2*	MW-3*	MW-4	MW-6	MW-7*	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26
1,2-Dichloroethane	Feb-94	<100	<100	<50	<100	1140	31																			
	Nov-00	<2,500	<400	<500	NS-FP	NS-FP	<500																			
	Oct-01	<250	<50	<125	NS-NW	Table 2	<25																			
	Feb-02	<125	<12.5	<100	NS-FP	NS-FP	43.4																			
	Jun-02	<250	<500	<125	NS-FP	NS-FP	<25	NS-FP	<100																	
	Oct-02	<500	<50	<50	NS-FP	NS-FP	<250	NS-FP	<25																	
	Dec-02	NA	<250	<250	NS-FP	NS-FP	<125	NS-FP	<25	<2,500	<125	<25	<5	<125	<50	29	<5	<500	<2,500	<5	<25					
	Mar-03	NA	<1,000	<500	NS-FP	NS-FP	<125	NS-FP	11.5	<1,000	229	<50	<5	<125	<50	67.8	<5	<2,500	<2,500	<5	<25					
	Jun-03	NA	<200	<400	NS-FP	NS-FP	<50	NS-FP	<20	<400	<400	<10	<2	<2	<5	<50	<2	<400	<1,000	<5	<5	<20	<2	<2	<2	<100
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<20	<400	103	<5	<2	<2	<4	<50	<2	<500	NS-FP	<2	<10	NS-NW	<2	<2	<2	<100
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<2	<400	<400	<5	<2	8.3	<5	NS-FP	<2	<200	NS-FP	<2	<40	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	Table 2	130	<5	<2	5	2.1	NS-FP	<2	Table 2	Table 2	<2	17.5	11.7	Table 5	Table 5	Table 5	<100
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	4.6	NS-FP	43	<4	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	1.9	NS-NW	<2	<2	<2	<40
1,1-Dichloroethene	Feb-94	2,210	2,490	2,800	806	1,340	161																			
	Nov-00	3,600	<300	2,600	NS-FP	NS-FP	330																			
	Oct-01	1,200	1,130	4,080	NS-NW	Table 2	365																			
	Feb-02	4,000	1,480	3,900	NS-FP	NS-FP	776																			
	Jun-02	4,800	2,080	2,680	NS-FP	NS-FP	423	NS-FP	1,340																	
	Oct-02	3,000	2,100	176	NS-FP	NS-FP	347	NS-FP	1,830																	
	Dec-02	NA	2,220	188	NS-FP	NS-FP	336	NS-FP	1,480	3,640	3,480	104	98.5	142	82.4	1,530	16.6	6,860	17,700	35.4	367					
	Mar-03	NA	2,230	1,410	NS-FP	NS-FP	213	NS-FP	1,100	2,680	2,040	16.6	16.6	126	60.6	2,470	17.1	5,590	16,600	19.5	390					
	Jun-03	NA	1,480	2,376	NS-FP	NS-FP	304	NS-FP	1,300	3,570	1,480	28.2	44.2	29.6	124	3,500	18	4,810	34,200	<240	720	130	2	<2	4.2	2,340
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	1,550	1,760	1,880	14.5	27.2	274	88	2,470	14.5	4,380	NS-FP	46.7	1,800	NS-NW	<2	<2	<2	6,800
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	49.5	2,780	1,810	7.5	18.8	676	254	NS-FP	7.8	4,170	NS-FP	45.8	1,800	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	1,300	Table 2	530	7.8	8.7	284	723	NS-FP	3.3	Table 2	Table 2	3.1	2,040	440	Table 5	Table 5	Table 5	7,740
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	1100	NS-FP	435	4.5	30.7	60.8	46.5	NS-FP	34.7	NS-FP	NS-FP	78.1	356	NS-NW	8.7	16.8	7.9	8,160
cis-1,2-Dichloroethene	Feb-94	NA	NA	NA	NA	NA	NA																			
	Nov-00	20,000	8,800	6,760	NS-FP	NS-FP	210																			
	Oct-01	10,200	9,160	7,000	NS-NW	Table 2	194																			
	Feb-02	28,100	11,100	7,800	NS-FP	NS-FP	303																			
	Jun-02	31,100	14,800	6,800	NS-FP	NS-FP	238	NS-FP	612																	
	Oct-02	20,700	16,400	212	NS-FP	NS-FP	311	NS-FP	736																	
	Dec-02	NA	11,600	465	NS-FP	NS-FP	259	NS-FP	630	21,300	6,700	180	46.5	664	352	976	30	16,100	11,600	9.3	324					
	Mar-03	NA	11,300	3,980	NS-FP	NS-FP	235	NS-FP	483	23,900	10,100	18.6	17.6	383	498	1,180	7.1	21,300	11,100	6.9	849					
	Jun-03	NA	2,270	3,320	NS-FP	NS-FP	214	NS-FP	372	24,600	8,740	24.8	48	6.8	617	1,540	2.2	23,900	15,000	7	1,060	3,800	<2	<2	<2	938
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	628	8,290	6,920	9	26.2	46	430	986	<2	16,600	NS-FP	4.6	2,400	NS-NW	8.7	<2	2.4	2,130
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	21.5	17,200	1,880	6.1	10.3	113	1,570	NS-FP	<2	14,600	NS-FP	28.7	4,400	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	391	Table 2	3,880	3.8	11.2	80.8	2,880	NS-FP	2.2	Table 2	Table 2	<18.8	4,080	6,020	Table 5	Table 5	Table 5	5,130
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	370	NS-FP	4,150	<4	36	28.3	102	NS-FP	8.7	NS-FP	NS-FP	4	437	NS-NW	2.6	16.2	1.8	6,560

Table 4 (cont.): Detected VOCs from Groundwater Sample Results using EPA Method 8260 (ug/L)

VOCs	Date	MW-1*	MW-2*	MW-3*	MW-4	MW-6	MW-7*	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26
trans 1,2-Dichloroethene	Feb-94	NA	NA	NA	NA	NA	NA																			
	Nov-00	<2,500	<250	<220	NS-FP	NS-FP	<500																			
	Oct-01	<250	<50	<125	NS-NW	Table 2	<25																			
	Feb-02	<125	<12.5	<100	NS-FP	NS-FP	<10																			
	Jun-02	<250	<500	<125	NS-FP	NS-FP	<25	NS-FP	<100																	
	Oct-02	<500	<50	<50	NS-FP	NS-FP	<250	NS-FP	<25																	
	Dec-02	NA	<250	<250	NS-FP	NS-FP	<125	NS-FP	<25	<2,500	<125	<25	<5	<125	<50	<500	<5	<500	<2,500	<5	<25					
	Mar-03	NA	<1,000	<500	NS-FP	NS-FP	<125	NS-FP	<25	<1,000	<500	<50	<5	<125	<50	<125	<5	<2,500	<2,500	<5	<25					
	Jun-03	NA	<200	<400	NS-FP	NS-FP	<50	NS-FP	<20	<400	<400	<10	<2	<2	<5	<50	<2	<400	<1,000	<5	<2	<20	<2	<2	<2	<100
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<20	<400	<50	<5	<2	<2	<5	<50	<2	<200	NS-FP	<2	12	NS-NW	<2	<2	<2	120
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<2	<100	<100	6	<2	<2	<5	NS-FP	<2	<200	NS-FP	<2	<10	NS-NW	Table 5	Table 5	Table 6	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	Table 2	<100	<5	<2	<2	28.4	NS-FP	<2	Table 2	Table 2	<2	14.6	32.3	Table 6	Table 5	Table 6	<100
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<4	NS-FP	<100	<4	<2	<2	<5	NS-FP	<2	NS-FP	NS-FP	<2	2	NS-NW	<2	<2	<2	<40
1,4 Dioxane	Oct-02				NS-FP	NS-FP		NS-FP																		
	Dec-02	NA	<5,000	<5,000	NS-FP	NS-FP	11,800	NS-FP	6,540	<50,000	<2,500	<500	<100	<2,500	<1,000	18,800	<100	<10,000	<50,000	175	<500					
* = Analyzed using	Mar-03	NA	<10,000	<5,000	NS-FP	NS-FP	21,300	NS-FP	7,250	<10,000	<5,000	<250	25	<625	<250	5,480	<25	<25,000	<25,000	112	<125					
EPA Method 8270	Jun-03	NA	<5,000	<10,000	NS-FP	NS-FP	22,300	NS-FP	12,800	<10,000	<10,000	<250	<50	<50	<125	12,000	<50	<10,000	<50,000	<125	<50	<500	<40	<50	<50	<2,500
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	7,150	<10,000	<1,250	<125	<50	<50	<100	<1,250	<50	<5,000	NS-FP	68	<250	NS-NW	<50	<50	<50	<2,500
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<50	<10,000	<10,000	<125	<50	<100	<125	NS-FP	<50	<5,000	NS-FP	<50	<1,000	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<500	Table 2	540*	<125	<50	38.2*	34.2*	NS-FP	<50	Table 2	Table 2	<50	314*	0.8*	Table 5	Table 5	Table 9	518*
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	4,000*	NS-FP	416*	3.7*	<2*	3.3*	8.4*	NS-FP	<2*	NS-FP	NS-FP	8.7*	37*	NS-NW	NA	NA	NA	NA
Ethylbenzene	Feb-94	333	1,720	116	1,180	1,910	45																			
	Nov-00	880	120	1,000	NS-FP	NS-FP	62																			
	Oct-01	835	187	1,550	NS-NW	Table 2	107																			
	Feb-02	875	115	1,360	NS-FP	NS-FP	94.4																			
	Jun-02	1,250	147	1,470	NS-FP	NS-FP	134	NS-FP	<1																	
	Oct-02	854	488	845	NS-FP	NS-FP	213	NS-FP	<1																	
	Dec-02	NA	390	1,190	NS-FP	NS-FP	93	NS-FP	<5	1,490	597	270	<1	534	<10	<50	<1	435	1,770	<1	<5					
	Mar-03	NA	614	882	NS-FP	NS-FP	100	NS-FP	<5	1,280	1,880	298	<1	28.3	<10	<25	<1	1,880	2,370	<1	<5					
	Jun-03	NA	<100	732	NS-FP	NS-FP	88.3	NS-FP	<10	1,400	940	11.1	<1	<1	<2.5	<25	<1	1,510	2,480	<2.5	31	<10	<1	<1	<1	1,600
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<10	1,380	1,010	32.3	2	<1	<2	<25	<1	740	NS-FP	<1	5.5	NS-NW	<1	<1	<1	2,900
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<1	1,450	1,140	167	<1	<2	<2.5	NS-FP	<1	880	NS-FP	<1	<1	NS-NW	Table 5	Table 5	Table 6	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	Table 2	1,890	284	<1	<1	8.7	NS-FP	<1	Table 2	Table 2	<1	6.6	<2	Table 6	Table 5	Table 5	3,150
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<2	NS-FP	893	74.4	<1	<1	2.5	NS-FP	<1	NS-FP	NS-FP	<1	<2	NS-NW	<1	<1	<1	2,830

Table 4 (cont.): Detected VOCs from Groundwater Sample Results using EPA Method 8260 (ug/L)

VOCs	Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26
Methylene Chloride	Feb-84	1,220	2,880	6,530	4,700	21,400	<50																			
	Nov-00	1,100	160	8,800	NS-FP	NS-FP	160																			
	Oct-01	<1,250	<250	<625	NS-NW	Table 2	<125																			
	Feb-02	<250	14.3	3,380	NS-FP	NS-FP	<50																			
	Jun-02	<250	<500	<125	NS-FP	NS-FP	<25	NS-FP	<100																	
	Oct-02	<500	<50	<50	NS-FP	NS-FP	<500	NS-FP	<25																	
	Dec-02	NA	<250	<250	NS-FP	NS-FP	<125	NS-FP	<25	<2,500	<125	<25	<5	<125	<50	<250	<5	<500	<2,500	<5	<25					
	Mar-03	NA	<1,000	1,650	NS-FP	NS-FP	<125	NS-FP	<25	<1,000	<500	<50	<5	<125	<50	<125	<5	<2,500	12,000	<5	<25					
	Jun-03	NA	<250	<400	NS-FP	NS-FP	<50	NS-FP	<20	<400	<400	<10	<2	<2	<5	<50	<2	<400	12,800	<2	<2	113	<2	<2	<2	15,600
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<20	<400	<50	<5	<2	<2	<5	<20	<2	<200	NS-FP	<2	<10	NS-NW	<2	<2	<2	14,800
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<2	<400	<400	<5	<2	<4	<5	NS-FP	<2	<200	NS-FP	<2	<40	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	Table 2	<100	<5	<2	<2	<2	NS-FP	<2	Table 2	Table 2	<2	<10	5.5	Table 5	Table 5	Table 5	8,300
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<4	NS-FP	<100	<4	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	<4	NS-NW	<2	<2	<2	11,000
4-Methyl-2-pentanone (MIBK)	Oct-01	<1,250	<250	4,130	NS-NW	Table 2	625																			
	Feb-02	<425	<82.5	3,470	NS-FP	NS-FP	370																			
	Jun-02	<1,250	<2,500	2,850	NS-FP	NS-FP	385	NS-FP	<500																	
	Oct-02	<2,500	<250	1,410	NS-FP	NS-FP	276	NS-FP	<125																	
	Dec-02	NA	<1,250	<1,250	NS-FP	NS-FP	<625	NS-FP	<125	<12,500	3,540	<125	<25	<625	<250	<1,250	<25	<2,500	<12,500	<25	<120					
	Mar-03	NA	<5,000	<2,500	NS-FP	NS-FP	<625	NS-FP	<125	5,100	2,880	<250	<25	<625	<250	<625	<25	7,400	10,100	<25	<125					
	Jun-03	NA	<500	<1,000	NS-FP	NS-FP	<125	NS-FP	<50	6,650	6,340	<125	<50	<25	<62.5	<125	<25	12,800	14,400	<62.5	<5	<250	<25	<25	<25	8,250
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<50	10,800	1,370	<12.5	<5	<5	<10	<125	<5	4,100	NS-FP	<5	<25	NS-NW	<5	<5	<5	7,260
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<5	3,125	<1,000	<12.5	<5	<10	<12.5	NS-FP	<5	1,250	NS-FP	<5	<100	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<50	Table 2	<250	<12.5	<5	<5	<5	NS-FP	<5	Table 2	Table 2	<5	<12.5	<10	Table 5	Table 5	Table 5	6,600
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	NS-FP	<250	<10	<5	<5	<5	NS-FP	<5	NS-FP	NS-FP	<5	<10	NS-NW	<5	<5	<5	5,300
Naphthalene	Oct-01	155	78	<125	NS-NW	Table 2	86																			
	Feb-02	135	84	122	NS-FP	NS-FP	74.3																			
	Jun-02	<250	88.4	178	NS-FP	NS-FP	116	NS-FP	<100																	
	Oct-02	<500	63.2	69.2	NS-FP	NS-FP	<250	NS-FP	<25																	
	Dec-02	NA	<250	<250	NS-FP	NS-FP	<125	NS-FP	<25	<2,500	<125	97	<5	<125	<50	<250	<5	<500	<2,500	<5	<25					
	Mar-03	NA	<1,000	398	NS-FP	NS-FP	110	NS-FP	<25	685	222	134	66.4	<125	27.5	95.5	116	1,130	1,410	<5	<25					
	Jun-03	NA	<200	<400	NS-FP	NS-FP	80.3	NS-FP	<20	498	<400	<10	<2	<2	<2	<20	<2	278	3,900	<2	<2	<20	<2	<2	<2	136
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<20	<400	<40	23	<2	<2	<4	<20	<2	<200	NS-FP	<2	<10	NS-NW	<2	<2	<2	135
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	<400	<400	173	<2	<4	<4	NS-FP	<2	<200	NS-FP	<2	20	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	Table 2	<100	153	<2	<2	<2	NS-FP	<2	Table 2	Table 2	<2	53.5	6.5	Table 5	Table 5	Table 5	<100
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<4	NS-FP	<100	129	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	<4	NS-NW	<2	<2	<2	102
n-Propylbenzene	Jun-02	<250	26.5	<125	NS-FP	NS-FP	<25	NS-FP	<100																	
	Oct-02	<500	44.2	<50	NS-FP	NS-FP	<250	NS-FP	<25																	
	Dec-02	NA	<250	<250	NS-FP	NS-FP	<125	NS-FP	<25	<2,500	200	80.5	<5	<125	<50	<250	<5	<500	<2,500	<5	<25					
	Mar-03	NA	<1,000	<800	NS-FP	NS-FP	<125	NS-FP	<25	<1,000	462	191	<5	<125	<50	<125	<5	<2,500	<2,500	<5	<25					
	Jun-03	NA	<200	<400	NS-FP	NS-FP	<50	NS-FP	<20	<400	<400	<10	<2	<2	<5	<50	<2	<400	<1,000	<2	<2	320	<2	<2	<2	<100
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<20	<400	395	45	<2	<2	<4	<80	<2	<200	NS-FP	<2	10.5	NS-NW	<2	<2	<2	<100
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	<400	<400	132	<2	<4	<4	NS-FP	<2	220	NS-FP	22.9	<40	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	Table 2	395	237	<2	<2	<2	NS-FP	<2	Table 2	Table 2	<2	14.3	<4	Table 5	Table 5	Table 5	<100
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<4	NS-FP	215	142	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	<4	NS-NW	<2	<2	<2	<40

Table 4 (cont.): Detected VOCs from Groundwater Sample Results using EPA Method 8260 (µg/L)

VOCs	Date	MW-1*	MW-2*	MW-3*	MW-4	MW-5	MW-7*	MW-8*	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26
Tetrachloroethene	Feb-94	692	2,160	8,370	3,320	2,120	134																			
	Nov-00	<2,500	<500	150	NS-FP	NS-FP	<500																			
	Oct-01	<100	<20	130	NS-NW	Table 2	100																			
	Feb-02	20	3.5	202	NS-FP	NS-FP	8.2																			
	Jun-02	24.8	<500	120	NS-FP	NS-FP	<25	NS-FP	122																	
	Oct-02	<200	<20	38.3	NS-FP	NS-FP	<100	NS-FP	190																	
	Dec-02	NA	<100	<100	NS-FP	NS-FP	<50	NS-FP	204	<1,000	<50	<10	67.1	<50	<20	268	8.1	604	1,300	5.7	65.1					
	Mar-03	NA	<400	411	NS-FP	NS-FP	<50	NS-FP	136	<400	<200	<20	11	<50	<20	350	25	<1,000	1,480	3.3	17.3					
	Jun-03	NA	200	310	NS-FP	NS-FP	<50	NS-FP	132	<400	<400	<10	161	51.4	25.5	466	25.9	<400	1,400	40.9	<2	<20	4	4.1	12.3	1,820
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	151	<400	<50	12.5	145	22.3	36	275	15.1	<200	NS-FP	15.3	232	NS-NW	4.1	10.7	51	2,230
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	4.5	<400	<400	3.6	38.5	42.4	13.1	NS-FP	18	<200	NS-FP	3.4	135	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	148	Table 2	<100	3.9	81.4	42	65.2	NS-FP	36.2	Table 2	Table 2	8.3	247	4	Table 5	Table 5	Table 5	4,160
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	126	NS-FP	<100	2.9	177	41.3	63.1	NS-FP	37.8	NS-FP	NS-FP	35	225	NS-NW	24.6	120	31.7	1,630
1,1,1-Trichloroethane	Feb-94	9,270	3,470	444	25,200	114,000	50																			
	Nov-00	<2,500	<500	75	NS-FP	NS-FP	<500																			
	Oct-01	<250	<50	<125	NS-NW	Table 2	<25																			
	Feb-02	<125	<12.5	<100	NS-FP	NS-FP	<10																			
	Jun-02	<250	<500	<125	NS-FP	NS-FP	<25	NS-FP	<100																	
	Oct-02	<500	<50	<50	NS-FP	NS-FP	<250	NS-FP	66																	
	Dec-02	NA	<250	<250	NS-FP	NS-FP	<125	NS-FP	32.5	15,500	62.9	21	<5	230	<50	<250	4	1,180	21,800	<5	<25					
	Mar-03	NA	<1,000	<500	NS-FP	NS-FP	<125	NS-FP	36	12,300	<400	14	1.4	77.5	<50	32.6	8.3	880	37,600	<5	14					
	Jun-03	NA	180	<400	NS-FP	NS-FP	<50	NS-FP	18.8	4,400	<400	18	<2	5.4	10.7	42.5	<2	380	61,300	35	70	<20	<2	<2	<2	1,380
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<20	4,510	<50	8.7	<2	4.9	5.4	<20	5	420	NS-FP	4.6	130	NS-NW	<2	<2	<2	1,700
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<2	7,400	835	10.7	<2	<4	<5	NS-FP	2.2	1,120	NS-FP	31.7	132	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	11.1	Table 2	170	8.3	<2	<2	7.7	NS-FP	<2	Table 2	Table 2	30.2	105	<4	Table 5	Table 5	Table 5	7,380
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	34	NS-FP	280	2.3	<2	<2	4.5	NS-FP	7.4	NS-FP	NS-FP	2.4	13.5	NS-NW	3.6	<2	<2	6,730
Trichloroethene	Feb-94	7,190	3,040	1,730	14,300	1,350	45																			
	Nov-00	<2,500	<500	1,500	NS-FP	NS-FP	<500																			
	Oct-01	<100	<20	100	NS-NW	Table 2	<10																			
	Feb-02	20	2.9	260	NS-FP	NS-FP	8.5																			
	Jun-02	<250	<500	134	NS-FP	NS-FP	<25	NS-FP	<100																	
	Oct-02	<200	<20	26	NS-FP	NS-FP	<100	NS-FP	58.6																	
	Dec-02	NA	<100	<100	NS-FP	NS-FP	<50	NS-FP	50.4	<1,000	<50	<10	77.9	<50	<20	274	5	346	1,740	2.9	58.7					
	Mar-03	NA	<400	1,930	NS-FP	NS-FP	<50	NS-FP	30	<400	<200	<20	28.3	<50	134	400	7.4	610	2,300	1.8	91.7					
	Jun-03	NA	182	828	NS-FP	NS-FP	<50	NS-FP	41.5	<400	<400	<10	72.7	4	13.6	456	6.5	176	3,830	18	85	<20	2.3	2.3	30.4	1,230
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	47	<400	<50	7.8	25.2	12.1	18	2,330	3.6	<200	NS-FP	6.2	180	NS-NW	<2	11.5	26	2,100
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	1.7	<400	<400	<5	47	22.8	8.3	NS-FP	7.3	188	NS-FP	4.4	140	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	37.2	Table 2	<100	<5	18.5	16.1	17.3	NS-FP	6.3	Table 2	Table 2	2.8	340	<4	Table 5	Table 5	Table 5	3,000
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	29.8	NS-FP	<100	<4	82.7	<2	21.5	NS-FP	5.1	NS-FP	NS-FP	6.7	188	NS-NW	22.9	66.7	42.9	<40

Table 4 (cont.): Detected VOCs from Groundwater Sample Results using EPA Method 8260 (µg/L)

VOCs	Date	MW-1*	MW-2*	MW-3*	MW-4	MW-6	MW-7*	MW-8	MW-9*	MW-10	MW-11	MW-12	MW-13	MW-13A	MW-14	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26
1,2,4-Trimethylbenzene	Oct-01	1,290	16.9	245	NS-NW	Table 2	200																			
	Feb-02	2,500	251	[illegible]	NS-FP	NS-FP	234																			
	Jun-02	3,890	<500	615	NS-FP	NS-FP	239	NS-FP	<100																	
	Oct-02	2,120	115	229	NS-FP	NS-FP	327	NS-FP	<25																	
	Dec-02	NA	232	285	NS-FP	NS-FP	<125	NS-FP	<25	<2,500	2,120	1,640	<2	270	<50	<250	<5	1,985	2,500	<5	<25					
	Mar-03	NA	380	441	NS-FP	NS-FP	225	NS-FP	<25	1,680	2,380	765	<5	95	<50	326	275	2,490	4,680	<5	<25					
	Jun-03	NA	<250	376	NS-FP	NS-FP	182	NS-FP	<50	1,740	1,900	30	<2	<2	<5	<50	<2	2,970	6,080	19.5	18.8	<20	<2	<2	<2	<100
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<20	1,430	1,620	116	<2	<2	<4	<50	<2	1,890	NS-FP	<2	20.5	NS-NW	<2	<2	<2	898
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	1,640	1,382	488	<2	<4	<2	NS-FP	<2	1,516	NS-FP	53.1	<40	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	Table 2	2,090	1,200	<2	<2	15	NS-FP	<2	Table 2	Table 2	<2	30	8.6	Table 5	Table 5	Table 5	1,140
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<4	NS-FP	1,410	635	<4	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	2	NS-NW	<2	<2	<4	835
1,3,5-Trimethylbenzene	Oct-01	470	62.3	145	NS-NW	Table 2	25																			
	Feb-02	965	67.3	139	NS-FP	NS-FP	46.5																			
	Jun-02	1,170	57.3	<125	NS-FP	NS-FP	<25	NS-FP	<100																	
	Oct-02	874	67.3	57.4	NS-FP	NS-FP	<250	NS-FP	<25																	
	Dec-02	NA	<250	<250	NS-FP	NS-FP	<125	NS-FP	<25	<2,500	678	780	<5	108	<50	<250	<5	826	<2,500	<5	<25					
	Mar-03	NA	<1,000	<800	NS-FP	NS-FP	37	NS-FP	<25	404	903	411	<5	<125	<50	<125	<5	635	850	<5	<25					
	Jun-03	NA	<200	<400	NS-FP	NS-FP	<50	NS-FP	<20	288	440	19	<2	<2	<5	<50	<2	608	1,230	<5	<2	<20	<2	<2	<2	<100
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<20	330	570	92	<2	<2	<4	<50	<2	400	NS-FP	<2	<10	NS-NW	<2	<2	<2	170
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	412	305	294	<2	<4	<5	NS-FP	<2	408	NS-FP	15.5	<40	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<20	Table 2	375	616	<2	<2	3.4	NS-FP	<2	Table 2	Table 2	<2	6.5	<4	Table 5	Table 5	Table 5	300
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<4	NS-FP	455	345	<2	<2	<2	NS-FP	<2	NS-FP	NS-FP	<2	44	NS-NW	<2	<2	<2	199
Toluene	Feb-94	280	7,300	673	12,700	15,300	285																			
	Nov-00	4,000	67	3,700	NS-FP	NS-FP	600																			
	Oct-01	2,470	<25	6,180	NS-NW	Table 2	376																			
	Feb-02	4,890	26.2	4,520	NS-FP	NS-FP	1,330																			
	Jun-02	6,190	102	4,780	NS-FP	NS-FP	1,380	NS-FP	<20																	
	Oct-02	3,380	39	4,910	NS-FP	NS-FP	2,380	NS-FP	<5																	
	Dec-02	NA	139	5,770	NS-FP	NS-FP	641	NS-FP	<5	18,000	1,230	38.5	1.3	2,640	14.4	<50	<1	1,730	13,800	3.5	6.7					
	Mar-03	NA	<250	2,310	NS-FP	NS-FP	886	NS-FP	<5	12,000	3,890	14.5	<1	230	<15	<25	<1	4,370	11,800	<1	<5					
	Jun-03	NA	<100	2,080	NS-FP	NS-FP	726	NS-FP	<10	14,800	4,850	<5	<1	<1	<2.5	<50	<1	6,610	13,300	7.2	<1	<10	<1	<1	<1	<50
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<10	13,300	4,090	<2.5	<1	<1	2	<25	<1	3,700	NS-FP	<1	10	NS-NW	<1	<1	<1	10,800
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<1	13,100	5,270	6.7	<1	<2	3.2	NS-FP	<1	4,250	NS-FP	14.6	<1	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	Table 2	6,080	<2.5	<1	<1	64.6	NS-FP	<1	Table 2	Table 2	<1	17.5	16.4	Table 5	Table 5	Table 5	18,000
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<2	NS-FP	5,000	3.8	<1	<1	43.3	NS-FP	<1	NS-FP	NS-FP	<1	1.7	NS-NW	<1	<1	<1	14,800
Vinyl Chloride	Oct-01	1,300	75	<5	NS-NW	Table 2	165																			
	Feb-02	1,280	187	898	NS-FP	NS-FP	617																			
	Jun-02	<100	<200	<50	NS-FP	NS-FP	<10	NS-FP	<50																	
	Oct-02	2,980	2,710	12,300	NS-FP	NS-FP	834	NS-FP	123																	
	Dec-02	NA	2,720	12,700	NS-FP	NS-FP	428	NS-FP	107	4,190	198	1,100	6.2	<50	83.1	565	<2	<250	<1,000	<2	28.1					
	Mar-03	NA	1,640	7,970	NS-FP	NS-FP	200	NS-FP	35	3,690	1,190	68.8	2.4	<50	77.3	367	<2	<1,000	630	<2	22.6					
	Jun-03	NA	4,250	2,390	NS-FP	NS-FP	380	NS-FP	172	3,410	1,330	38	3.8	<2	49	395	<2	<500	<1,000	<5	<2	99.9	<2	<2	<2	<100
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	298	4,610	1,510	38	<2	6.7	51	628	<2	895	NS-FP	<2	37.6	NS-NW	<2	<2	<2	<100
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	5.3	3,790	1,030	13.1	<2	6.1	134	NS-FP	<2	<200	NS-FP	<2	47.3	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	165	Table 2	4,180	4.5	<1	<1	148	NS-FP	<1	Table 2	Table 2	<1	66	660	Table 5	Table 5	Table 5	<50
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	131	NS-FP	3,550	10.4	<1	2	136	NS-FP	<1	NS-FP	NS-FP	<1	19.8	NS-NW	<1	<1	<1	<50

Table 4 (cont.): Detected VOCs from Groundwater Sample Results using EPA Method 8260 (ug/L)

VOCs	Date	MW-1[1]	MW-2[1]	MW-3[1]	MW-4	MW-6	MW-7[1]	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26
Xylenes	Feb-94	2,192	7,790	1,014	4,382	4,710	188																			
	Nov-00	3,400	<500	2,800	NS-FP	NS-FP	247																			
	Oct-01	2,770	<2	3,720	NS-NW	Table 2	361																			
	Feb-02	3,780	14.8	3,070	NS-FP	NS-FP	280																			
	Jun-02	5,340	182	3,880	NS-FP	NS-FP	334	NS-FP	<20																	
	Oct-02	3,670	73	2,470	NS-FP	NS-FP	578	NS-FP	<5																	
	Dec-02	NA	355	2,800	NS-FP	NS-FP	121	NS-FP	<5	4,880	746	242	<1	1,780	<10	<80	<1	2,890	3,840	<1	<5					
	Mar-03	NA	316	2,180	NS-FP	NS-FP	318	NS-FP	<10	2,320	1,690	20.1	<2	100	<20	<80	<2	4,200	4,880	<2	8.4					
	Jun-03	NA	170	1,780	NS-FP	NS-FP	228	NS-FP	<10	4,380	1,890	<5	<1	<1	<2.5	<25	<1	3,880	8,040	8.3	<1	<10	<1	<1	<1	1,080
	Sep-03	NA	NA	NA	NS-NW	NS-FP	NA	NS-FP	<10	4,480	1,520	9	<1	<1	<2	<25	<1	2,820	NS-FP	<1	50	NS-NW	<1	<1	<1	6,870
	Dec-03	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<1	4,380	2,020	157	<1	<2	<2.5	NS-FP	<1	2,610	NS-FP	22	91.8	NS-NW	Table 5	Table 5	Table 5	NS-NW
	Mar-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<10	Table 2	2,170	231	<1	<1	27.3	NS-FP	<1	Table 2	Table 2	<1	178	5.8	Table 5	Table 5	Table 5	3,320
	Jun-04	NA	NA	NA	NS-FP	NS-FP	NA	NS-FP	<2	NS-FP	1,930	16.9	<1	<1	8.5	NS-FP	<1	NS-FP	NS-FP	<1	5.3	NS-NW	<1	<1	<1	6,320

NA= Not Analyzed. [1] = Abandoned Well.
NS-FP= Not Sampled Free Product present. nS-NW= Not Sampled Not Enough Water present.
Blue= Chemicals stored on-site. Red= Transformation compounds.

Table 5: Detected VOCs from Diffusion Bag Groundwater Samples using EPA Method 8260 (µg/L)					
	Date	Depth	MW-23	MW-24	MW-25
Screened Interval (bg)			71'-81'	67'-77'	71'-81'
DTW (ft)	15-Dec-03		42.65	45.69	47.35
	30-Mar-04		43.25	46.41	48.03
VOCs					
Acetone	15-Dec-03	1.5'	<25	<25	<25
	15-Dec-03	7.5'	<25	<25	<25
	30-Mar-04	2.5'	<25	<25	<25
	30-Mar-04	7.5'	<25	<25	<25
Benzene	15-Dec-03	1.5'	<1	<1	<1
	15-Dec-03	7.5'	<1	<1	<1
	30-Mar-04	2.5'	<1	<1	<1
	30-Mar-04	7.5'	<1	<1	<1
2-Butanone (MEK)	15-Dec-03	1.5'	<25	<25	<25
	15-Dec-03	7.5'	<25	<25	<25
	30-Mar-04	2.5'	<25	<25	<25
	30-Mar-04	7.5'	<25	<25	<25
Chloroethane	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
1,1-Dichloroethane	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
1,2-Dichloroethane	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
1,1-Dichloroethene	15-Dec-03	1.5'	6	14.6	7.4
	15-Dec-03	7.5'	6.1	<2	6.2
	30-Mar-04	2.5'	4.4	7.6	7.4
	30-Mar-04	7.5'	4.2	6.6	6.2
cis 1,2-Dichloroethene	15-Dec-03	1.5'	2.4	6.8	3.4
	15-Dec-03	7.5'	<2	5.7	<2
	30-Mar-04	2.5'	<2	11.7	<2
	30-Mar-04	7.5'	<2	11.3	<2

Table 5: Detected VOCs from Diffusion Bag Groundwater Samples using EPA Method 8260 (µg/L)					
VOCs	Date	Depth	MW-23	MW-24	MW-25
trans 1,2-Dichloroethene	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
1,4 Dioxane	15-Dec-03	1.5'	<50	<50	<50
	15-Dec-03	7.5'	<50	<50	<50
	30-Mar-04	2.5'	<50	<50	<50
	30-Mar-04	7.5'	<50	<50	<50
Ethylbenzene	15-Dec-03	1.5'	<1	<1	<1
	15-Dec-03	7.5'	<1	<1	<1
	30-Mar-04	2.5'	<1	<1	<1
	30-Mar-04	7.5'	<1	<1	<1
Methylene Chloride	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
4-Methyl-2-pentanone	15-Dec-03	1.5'	<25	<25	<25
	15-Dec-03	7.5'	<25	<25	<25
	30-Mar-04	2.5'	<25	<25	<25
	30-Mar-04	7.5'	<25	<25	<25
Naphthalene	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
n-Propylbenzene	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
Tetrachloroethene	15-Dec-03	1.5'	30.6	75.4	37.1
	15-Dec-03	7.5'	14.8	24.3	37.2
	30-Mar-04	2.5'	38.2	225	30.3
	30-Mar-04	7.5'	37.7	263	24.9

Table 5: Detected VOCs from Diffusion Bag Groundwater Samples using EPA Method 8260 (µg/L)					
VOCs	Date	Depth	MW-23	MW-24	MW-25
1,1,1-Trichloroethane	15-Dec-03	1.5'	3.2	2.3	<2
	15-Dec-03	7.5'	2.6	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
Trichloroethene	15-Dec-03	1.5'	11.3	51.4	38.5
	15-Dec-03	7.5'	7.9	49.3	39.4
	30-Mar-04	2.5'	14.2	74.5	34.9
	30-Mar-04	7.5'	14.7	67.1	18.6
1,2,4-Trimethylbenzene	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
1,3,5-Trimethylbenzene	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
Toluene	15-Dec-03	1.5'	<1	<1	<1
	15-Dec-03	7.5'	<1	<1	<1
	30-Mar-04	2.5'	<1	<1	<1
	30-Mar-04	7.5'	<1	<1	<1
Vinyl Chloride	15-Dec-03	1.5'	<2	<2	<2
	15-Dec-03	7.5'	<2	<2	<2
	30-Mar-04	2.5'	<2	<2	<2
	30-Mar-04	7.5'	<2	<2	<2
Xylenes	15-Dec-03	1.5'	<1	<1	<1
	15-Dec-03	7.5'	<1	<1	<1
	30-Mar-04	2.5'	<1	<1	<1
	30-Mar-04	7.5'	<1	<1	<1
DTW= Depth to Water.					
Depth= Depth above well bottom.					
Blue= Chemicals stored on-site.					
Red= Transformation compounds.					

Table 6. Results for EPA Methods 376.1, 325.3, 310.1, 352.1, 376.4, 7380, 7490, 180.1, Colorimetry and Standard Method 4500 (mg/L)

Compound	Date	MW-2	MW-5	MW-7	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14
Dissolved Organic Carbon	Dec-03	NA	NA	NA	12	195	100	3	1.6	2.9
	Mar-04	NA	NA	NA	8.6	NA	240	3.1	1.3	2.4
	Jun-04	NA	NA	NA	7.2	NA	84	3.2	3.1	2.1
Total Organic Carbon	Dec-03	NA	NA	NA	19	225	105	3.7	1.8	2.1
	Mar-04	NA	NA	NA	9.6	NA	270	3.4	1.5	3.1
	Jun-04	NA	NA	NA	7.9	NA	94	3.3	3.4	2.4
TDS	Jun-03	1,160	1,220	1,050	1,840	1,970	2,330	830	1,300	1,450
	Sep-03	NA	NA	NA	1,600	2,380	1,886	735	1,185	1,305
	Dec-03	NA	NA	NA	1,200	1,540	1,660	730	1,160	1,140
	Mar-04	NA	NA	NA	2,820	NA	1,880	1,570	1,210	855
	Jun-04	NA	NA	NA	1,780	NA	1,890	727	1,290	1,290
Total Alkalinity	Jun-03	480	640	800	525	938	980	290	430	493
	Sep-03	NA	NA	NA	546	980	955	408	473	375
	Dec-03	NA	NA	NA	640	880	912	340	485	365
	Mar-04	NA	NA	NA	486	NA	786	408	452	298
	Jun-04	NA	NA	NA	430	NA	686	305	435	375
Carbonate/bicarbonate	Jun-03	532	708	1,080	612	1,122	1,182	348	616	619
	Sep-03	NA	NA	NA	654	604	1,176	480	607	444
	Dec-03	NA	NA	NA	326	835	347	304	281	210
	Mar-04	NA	NA	NA	882	NA	619	505	542	361
	Jun-04	NA	NA	NA	262	NA	424	305	286	228
Chloride	Jun-03	96.3	227	268	247	363	435	70.3	101	93.3
	Sep-03	NA	NA	NA	241	610	365	57	88	142
	Dec-03	NA	NA	NA	236	382	344	74.4	105	180
	Mar-04	NA	NA	NA	221	NA	441	78.2	83.8	93.6
	Jun-04	NA	NA	NA	106	NA	382	79	119	122
Sulfide	Jun-03	<0.02	1.6	0.04	<0.02	0.5	3.08	<0.02	<0.02	<0.02
	Sep-03	NA	NA	NA	<0.05	5.13	2.56	<0.05	<0.05	<0.05
	Dec-03	NA	NA	NA	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Mar-04	NA	NA	NA	<0.02	NA	<0.02	<0.02	<0.02	<0.02
	Jun-04	NA	NA	NA	<0.02	NA	<0.02	<0.02	<0.02	<0.02

Compound	Date	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26
Dissolved Organic Carbon	Dec-03	2.4	NA	0.9	100	NA	2.2	3.4		NA	NA	NA	NA
	Mar-04	3.8	NA	0.6	NA	NA	1	3.3	10	NA	NA	NA	80
	Jun-04	2.3	NA	<1	NA	NA	1.5	1.4	NA	NA	NA	NA	NA
Total Organic Carbon	Dec-03	2.6	NA	1.2	110	NA	2.9	3.7		NA	NA	NA	NA
	Mar-04	6.5	NA	1	NA	NA	1.1	3.7	11	NA	NA	NA	80
	Jun-04	2.5	NA	1.2	NA	NA	1.7	1.7	NA	NA	NA	NA	NA
TDS	Jun-03	1,830	1,090	1,400	1,730	4,880	1,280	1,250					
	Sep-03	1,195	1,030	1,875	1,855	NA	1,335	1,296		630	775	670	1,460
	Dec-03	1,280	NA	1,170	1,320	NA	1,200	1,110		NA	NA	NA	NA
	Mar-04	675	NA	1,310	NA	NA	2,050	1,080	645	NA	NA	NA	695
	Jun-04	1,290	NA	1,450	NA	NA	1,290	1,180	NA	NA	NA	NA	NA
Total Alkalinity	Jun-03	455	605	460	1,025	1,425	426	472					
	Sep-03	448	600	475	985	NA	438	480		235	255	350	670
	Dec-03	485	NA	430	880	NA	479	380		NA	NA	NA	NA
	Mar-04	456	NA	407	NA	NA	440	642	663	NA	NA	NA	380
	Jun-04	486	NA	435	NA	NA	438	440	NA	NA	NA	NA	NA
Carbonate/bicarbonate	Jun-03	548	728	562	1,250	1,710	610	587					
	Sep-03	607	720	570	1,140	NA	619	583		285	306	420	804
	Dec-03	279	NA	286	452	NA	287	518		NA	NA	NA	NA
	Mar-04	580	NA	450	NA	NA	558	650	712	NA	NA	NA	713
	Jun-04	479	NA	294	NA	NA	287	266	NA	NA	NA	NA	NA
Chloride	Jun-03	95	227	98.4	254	1,100	87.9	87.9					
	Sep-03	100	269	170	268	NA	92	142		71	74	58	326
	Dec-03	113	NA	126	90.2	NA	99.3	138		NA	NA	NA	NA
	Mar-04	104	NA	95.3	NA	NA	123	158	126	NA	NA	NA	297
	Jun-04	102	NA	105	NA	NA	108	116	NA	NA	NA	NA	NA
Sulfide	Jun-03	<0.02	<0.02	<0.02	0.48	1.62	<0.02	<0.02					
	Sep-03	<0.05	<0.05	<0.05	1.92	NA	<0.05	<0.05		<0.05	<0.05	<0.05	16.6
	Dec-03	<0.05	NA	<0.05	<0.05	NA	<0.05	<0.05		NA	NA	NA	NA
	Mar-04	<0.02	NA	<0.02	NA	NA	<0.02	<0.02	<0.02	NA	NA	NA	<0.02
	Jun-04	<0.02	NA	<0.02	NA	NA	<0.02	<0.02	NA	NA	NA	NA	NA

Table 6, (Continued) Results for EPA Methods 375.1, 325.3, 310.1, 352.1, 375.4, 7380, 7460, 160.1, Colorimetry and Standard Method 4500 (mg/L)

Compound	Date	MW-5	[illegible]	MW-7	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26
Sulfate	Jun-03	63.2	82.8	15	264	6.87	7.9	108	214	182	279	104	206	23.3	5.74	176	182					
	Sep-03	NA	NA	NA	280	58	38	65	220	207	236	70	218	35	NA	215	220		115	184	210	60
	Dec-03	NA	NA	NA	785	18.3	16	47	[illegible]	[illegible]	287	NA	387	82.9	NA	581	287		NA	NA	NA	NA
	Mar-04	NA	NA	NA	585	NA	<1	27.8	252	<1	<1	NA	335	NA	NA	250	<1	<1	NA	NA	NA	<1
	Jun-04	NA	NA	NA	707	NA	3.40	42	143	603	735	NA	184	NA	NA	81.4	315	NA	NA	NA	NA	NA
Nitrate	Jun-03	22.5	<0.01	1.10	16.4	1.08	8.81	<0.01	27.3	25.1	28.7	2.57	27.8	2.62	0.77	24.2	23.8					
	Sep-03	NA	NA	NA	0.138	<0.01	<0.01	<0.01	0.027	0.012	0.029	<0.01	<0.01	<0.01	NA	0.17	0.019		0.177	<0.01	<0.01	<0.01
	Dec-03	NA	NA	NA	28.5	6.21	3.96	1.18	17.4	20.8	25.2	NA	20.1	1.14	NA	21.4	22.9		NA	NA	NA	NA
	Mar-04	NA	NA	NA	22.6	NA	12.7	0.49	14.8	24.1	17.1	NA	18	NA	NA	28.7	25	7.3	NA	NA	NA	<0.01
	Jun-04	NA	NA	NA	29	NA	0.19	1.34	18	27	32	NA	25.7	NA	NA	22.8	24	NA	NA	NA	NA	NA
Total Iron	Jun-03	<0.1	0.2	1	<0.1	0.2	10.7	0.16	0.14	<0.1	0.2	<0.1	0.43	0.6	0.6	0.22	<0.1					
	Sep-03	NA	NA	NA	<0.05	32.3	18.7	0.41	<0.05	<0.05	<0.05	<0.05	0.26	14.4	NA	<0.05	<0.05		<0.05	0.1	<0.05	0.44
	Dec-03	NA	NA	NA	0.35	31.7	80.8	3.65	0.19	0.14	0.38	NA	0.38	65.1	NA	0.24	1.2		NA	NA	NA	NA
	Mar-04	NA	NA	NA	0.15	NA	10.5	4.14	<0.1	<0.1	<0.1	NA	<0.1	NA	NA	0.62	<0.1	<0.1	NA	NA	NA	<0.1
	Jun-04	NA	NA	NA	<0.1	NA	5.6	<0.1	0.12	0.2	0.2	NA	0.15	NA	NA	<0.1	0.2	NA	NA	NA	NA	NA
Ferrous Iron	Jun-03	<0.05	<0.05	<0.05	<0.05	<0.05	0.49	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05					
	Sep-03	NA	NA	NA	<0.05	3.2	9.96	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	4.56	FF	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05
	Dec-03	NA	NA	NA	0.15	1.42	2.32	0.73	0.16	0.21	0.21	NA	0.22	1.80	NA	0.14	0.17		NA	NA	NA	NA
	Mar-04	NA	NA	NA	<0.05	NA	2.82	2.25	<0.05	0.31	0.57	NA	<0.05	NA	NA	0.1	0.06	0.4	NA	NA	NA	0.8
	Jun-04	NA	NA	NA	<0.05	NA	2.42	0.15	<0.05	0.34	0.17	NA	<0.05	NA	NA	<0.05	0.46	NA	NA	NA	NA	NA
Manganese	Jun-03	<0.1	2.1	0.87	<0.1	1.48	6.7	1.8	<0.1	<0.1	0.4	0.8	<0.1	0.94	1.77	<0.1	0.48					
	Sep-03	NA	NA	NA	0.07	3.36	12.8	2.49	0.66	0.42	0.4	1.09	<0.05	7	NA	0.12	0.64		<0.05	0.07	0.09	3.21
	Dec-03	NA	NA	NA	0.16	8.1	13.5	1.47	0.52	1.02	1.14	NA	0.25	6.94	NA	0.12	1.85		NA	NA	NA	NA
	Mar-04	NA	NA	NA	0.11	NA	4.71	1.12	0.13	0.15	1.11	NA	0.09	NA	NA	0.14	1.76	0.92	NA	NA	NA	2
	Jun-04	NA	NA	NA	0.2	NA	6.6	0.8	<0.05	0.2	0.4	NA	<0.05	NA	NA	<0.05	0.1	NA	NA	NA	NA	NA
Ethene	Mar-04	NA	NA	NA	22.7	NA	1,061	175	<5	245	<5	NA	<5	NA	NA	<5	1,080	845	NA	NA	NA	<5
	Jun-04	NA	NA	NA	28.5	NA	2,120	174	<5	<5	15.5	NA	<5	NA	NA	<5	<5	NA	NA	NA	NA	NA

ANCHEM0641

APPENDICES

ANCHEM0642

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ANCHEM0643

WELL GAUGING DATA

Project # 040614-CD1 Date 6/14/04 Client Blakely Env.

Site 8915 Sorensen Ave, Santa Fe Springs

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-4	4	odor	26.36			26.40		TOC	
MW-6	4	odor	30.21				30.29		
MW-8	4	odor	35.19			35.42			
MW-9	4	odor				39.15	45.75		
MW-10	4	odor	34.67			35.08			
MW-11	2					35.38	39.85		
MW-12	2					35.20	45.97		
MW-13	2					46.81	62.52		
MW-14	2					48.31	63.39		
MW-15	2					48.79	61.57		
MW-16	2	odor	38.03			38.36			
MW-17	2					45.15	66.30		
MW-18	2	odor	42.55			45.74			
MW-19	2	odor	35.88			37.23			
MW-20	2					46.29	67.30		
MW-21	2					47.48	63.07		
MW-22	2					39.92	40.20		

WELL GAUGING DATA

Project # 040614-D1 Date 6/14/04 Client Blakely ENV.

Site 8915 Sorensen Ave Santa Fe Springs

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-23	4					44.24		TOC	
MW-24	4					47.32			
MW-25	4					48.95			
MW-26	2					39.25	39.75		

WELL MONITORING DATA SHEET

Project #: 040614-201	Site: Angeles Chemical Co.
Sampler: Chris Davis	Date: 6/15/04
Well I.D.: MW-9	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 45.75	Depth to Water (DTW): 39.22 @ 850
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type YSI 556
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 40.52	

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / Electric Submersible / Waterra / (4" Rediflo pump) / Extraction Pump / Other_____

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Dedicated Tubing / Other:

Flow Rate= 1 gpm Began Purge @ 852

4.2 (Gals.) X 3 = 12.6 Gals.
1 Case Volume / Specified Volumes / Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
856	73.5	6.7	2435	13	0.04	18	4.5	
900	74.4	6.7	2492	280	0.03	-6	8.5	
904	74.3	6.7	2474	94	0.08	4	13.0	

Did well dewater? Yes (No) Gallons actually evacuated: 13

Sampling Date: 6/15/04 Sampling Time: 1350 Depth to Water: 42.06 2nd MW

Sample I.D.: MW-9 Laboratory: STS

Analyzed for: Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

FB I.D. (if applicable): @ Time Analyzed for:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ANCHEM0646

WELL MONITORING DATA SHEET

Project #: 040614-C01	Site: Angeles Chemical Co.
Sampler: Chris Davis	Date: 6/15/04
Well I.D.: MW-11	Well Diameter: ② 3 4 6 8 ___
Total Well Depth (TD): 39.85	Depth to Water (DTW): 35.37 (@1142)
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type YSI 556
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 36.24	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; (2" Rediflo pump); Extraction Pump; Other ___

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other ___

Flow Rate= 1 GPM 1145 Began Purge

0.75 (Gals.) X 3 = 2.25 Gals.
1 Case Volume; Specified Volumes; Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1151	76.8	6.6	2566	>1,000	0.20	-138	1	Reduced Purge rate to .75 GPM
1155	77.6	6.5	2592	55	0.06	-154	1.75	oda
1156	76.6	6.6	2502	38	0.05	-156	2.5	oda

Did well dewater? Yes (No) Gallons actually evacuated: 2.5

Sampling Date: 6/15/04 Sampling Time: 1202 Depth to Water: 36.20

Sample I.D.: MW-11 Laboratory: STS

Analyzed for: Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

FB I.D. (if applicable): @ Time Analyzed for:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: ~~070615~~ 040614-C01	Site: Angeles Chemical Co.
Sampler: Chris Davis	Date: 6/15/04
Well I.D.: MW-12	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 45.97	Depth to Water (DTW): 35.18 (@1100)
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type YSI-556
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 37.33	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; (2" Rediflo pump); Extraction Pump; Other ____

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other: ____

Flow Rate=1gpm Began Purge @1103

1.7 (Gals.) X 3 = 5.1 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1105	74.3	6.9	1283	113	0.13	-181	2.0	
1107	74.3	6.9	1277	42	0.10	-185	3.5	
1109	74.4	6.9	1270	30	0.06	-197	5.5	

Did well dewater? Yes (No) Gallons actually evacuated: 5.5

Sampling Date: 6/15/04 Sampling Time: 1114 Depth to Water: 35.65

Sample I.D.: MW-12 Laboratory: STS

Analyzed for: Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

FB I.D. (if applicable): @ Time Analyzed for:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 040614-001	Site: Angeles Chemical Co.
Sampler: Chris Davis	Date: 6/14/04
Well I.D.: MW-13	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 62.52	Depth to Water (DTW): 46.81 (@ 1435)
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type YSI 556 MPS
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 49.95	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; (2" Rediflo pump); Extraction Pump; Other ____

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other: ____

Flow Rate= 1gpm (start @ 1437)

2.5 (Gals.) X 3 = 7.5 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1439	74.4	6.9	1874	189	3.5	51	2.5	
1442	74.7	6.9	1868	241	3.6	76	5	
1444	74.4	6.9	1612	100	3.8	62	7.5	

Did well dewater? Yes (No) Gallons actually evacuated: 7.5

Sampling Date: 6/14/04 Sampling Time: 1450 Depth to Water: 46.61

Sample I.D.: MW-13 Laboratory: STS

Analyzed for: Other:

EB I.D. (if applicable): EB-1 @ Time 1516 Duplicate I.D. (if applicable):

FB I.D. (if applicable): @ Time Analyzed for:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 040614-01	Site: Angeles Chemical Co.
Sampler: Chris Davis	Date: 6/15/04
Well I.D.: MW-14	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 63.39	Depth to Water (DTW): 48.35 (@805)
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type YSI-556
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 51.35	

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / Electric Submersible / Waterra / (2" Redflo pump) / Extraction Pump / Other_____

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Dedicated Tubing / Other:_____

Flow Rate= 1gpm Began Purge @ 807

2.4 (Gals.) X 3 = 7.2 Gals.
1 Case Volume / Specified Volumes / Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
810	72.9	6.7	1733	>1,000	4.6	182	2.5	
812	73.0	6.7	1721	852	5.1	164	5	
814	73.0	6.7	1764	79	4.8	144	7.5	

Did well dewater? Yes (No) Gallons actually evacuated: 7.5

Sampling Date: 6/15/04 Sampling Time: 825 Depth to Water: 48.35

Sample I.D.: MW-14 Laboratory: STS

Analyzed for: Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

FB I.D. (if applicable): @ Time Analyzed for:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 040614-001	Site: Angeles Chemical Co.
Sampler: Chris Davis	Date: 6/15/04
Well I.D.: MW-15	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 64.57	Depth to Water (DTW): 48.80 (@ 926)
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type YSI-556
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 51.95	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; (2" Rediflo pump); Extraction Pump; Other ____

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other: ____

Flow Rate=1gpm 929 Began Purge

2.6 (Gals.) X 3 = 7.8 Gals.
1 Case Volume; Specified Volumes; Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
932	75.0	6.8	1834	74	0.10	-189	3.0	odor
935	74.1	6.7	1828	30	0.27	-164	5.5	↓
937	74.1	6.7	1826	38	0.26	-176	8	↓

Did well dewater? Yes (No) Gallons actually evacuated: 8

Sampling Date: 6/15/04 Sampling Time: 940 Depth to Water: 49.05

Sample I.D.: MW-15 Laboratory: STS

Analyzed for: Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable): D MW-2 @ 940

FB I.D. (if applicable): @ Time Analyzed for:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 040614-D1	Site: Angeles Chemical Co.
Sampler: Chris Davis	Date: 6/14/04
Well I.D.: MW-17	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 66.30	Depth to Water (DTW): 45.14 (@1257)
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type YSI 556 MPS
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 49.37	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; (2" Redi flo pump); Extraction Pump; Other ___

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other ___

Flow Rate= 1GPM Bosson Arose @1305

3.4 (Gals.) X 3 = 10.2 Gals.
1 Case Volume · Specified Volumes · Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mmhos or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1310	75.4	6.9	1814	>1,000	3.5	48	3.5	
1313	74.6	6.9	1872	>1,000	3.4	54	7	
1317	74.4	6.9	1816	374	3.5	56	10.5	
1320	74.2	6.9	1897	187	3.4	56	14	

Did well dewater? Yes (No) Gallons actually evacuated: 14

Sampling Date: 6/14/04 Sampling Time: 1325 Depth to Water: 49.31

Sample I.D.: MW-17 Laboratory: STS

Analyzed for: Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable): MW-1 @1330

FB I.D. (if applicable): @ Time Analyzed for:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 040614-CD1	Site: Angeles Chemical Co.
Sampler: Chris Davis	Date: 6/14/04
Well I.D.: MW-20	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 67.30	Depth to Water (DTW): 46.29 (@1156)
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type YSI - 556 MPS
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 50.49	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; (2" Rediflo pump); Extraction Pump; Other ___

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other: ___

Flow Rate= 1gpm (Start Purge @ 1207)

3.4 (Gals.) X 3 = 10.2 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mmhos or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1210	74.4	6.8	1815	559	3.1	121	3.5	Began Purge @ 1207
1214	74.2	6.8	1812	146	3.3	96	7	
1218	74.1	6.8	1796	34	3.3	84	10.5	
1221	74.0	6.8	1787	33	3.3	75	14	
1225	74.0	6.8	1779	19	3.3	75	17	

Did well dewater? Yes (No) Gallons actually evacuated: ~~10.5~~ 17

Sampling Date: 6/14/04 Sampling Time: 1235 Depth to Water: 46.29

Sample I.D.: MW-20 Laboratory: STS

Analyzed for: Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

FB I.D. (if applicable): @ Time Analyzed for:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 040614-001	Site: Angeles Chemical Co.
Sampler: Chris Davis	Date: 6/15/04
Well I.D.: MW-21	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 63.07	Depth to Water (DTW): 47.47 (@ 1014)
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type YSI 556
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 50.59	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; (2" Redi-flo pump); Extraction Pump; Other_____

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other:_____

Flow Rate= 1 gpm Begin Purge @ 1016

2.5 (Gals.) X 3 = 7.5 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1019	73.4	6.7	1805	60	2.5	-12	2.5	
1021	73.3	6.7	1802	10	2.9	-4	5	
1024	73.2	6.7	1807	7	3.1	0.7	7.5	

Did well dewater? Yes (No) Gallons actually evacuated: 7.5

Sampling Date: 6/15/04 Sampling Time: 1028 Depth to Water: 48.12

Sample I.D.: MW-21 Laboratory: STS

Analyzed for: Other:

EB I.D. (if applicable): EB-2 @ 1046 Time Duplicate I.D. (if applicable):

FB I.D. (if applicable): @ Time Analyzed for:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 040614-001	Site: Angeles Chemical Co.
Sampler: Chris Davis	Date: 6/15/04
Well I.D.: MW-22	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 40.20	Depth to Water (DTW): 39.95 (@1400)
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type ___
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, 2" Rediflo pump, Extraction Pump, Other ___

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing, Other: ___

Flow Rate= ___

___ (Gals.) X ___ = ___ Gals.
1 Case Volume ___ Specified Volumes ___ Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
— Unable to Sample Insufficient H2O —								

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

Sample I.D.: Laboratory:

Analyzed for: Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

FB I.D. (if applicable): @ Time Analyzed for:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 040614-D1	Site: Angeles Chemical Co.
Sampler: Chris Davis	Date: 6/14/04
Well I.D.: MW-23	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD):	Depth to Water (DTW): 44.24
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type N/A
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; 2" Redi flo pump; Extraction Pump; Other ___

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other: ___

Flow Rate: No Purge

___ (Gals.) X ___ = ___ Gals.
1 Case Volume; Specified Volumes; Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
840	68.6	6.1	1117	7	—	41	—	

Did well dewater? ~~Yes~~ ~~No~~ Gallons actually evacuated: —

Sampling Date: 6/14/04 Sampling Time: 840 Depth to Water:

Sample I.D.: MW-23 Laboratory: STS

Analyzed for: Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

FB I.D. (if applicable): @ Time Analyzed for:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ANCHEM0656

WELL MONITORING DATA SHEET

Project #: 040N2-011	Site: Angeles Chemical Co.
Sampler: Chris Davis	Date: 6/14/04
Well I.D.: MW-24	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD):	Depth to Water (DTW): 47.32
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type ___
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: ~~Bailer~~ Waterra
Disposable Bailer 2" Redi flo pump
Positive Air Displacement Extraction Pump
~~Electric Submersible~~ Other ___

Sampling Method: Bailer
~~Disposable Bailer~~
Extraction Port
~~Dedicated Tubing~~
Other: ~~Dedicated Bailer~~

Flow Rate= No Purge

___ (Gals.) X ___ = ___ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	~~µ~~ Cond. (mS or ~~µS~~)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
900	68.6	4.3	1507	6	~~200~~	200	———	

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 6/14/04 Sampling Time: 900 Depth to Water:

Sample I.D.: MW-24 Laboratory: STS

Analyzed for: Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

FB I.D. (if applicable): @ Time Analyzed for:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 040614-CD1	Site: Angeles Chemical Co.
Sampler: Chris Davis	Date: 6/14/04
Well I.D.: MW-25	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD):	Depth to Water (DTW): 48.95
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type N/A
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: ~~Bailer~~ Disposable Bailer; Positive Air Displacement; Electric Submersible; ~~Waterra~~; 2" Retrflo pump; Extraction Pump; Other ___

Sampling Method: Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: Ribbon Bag

Flow Rate= No Purge

___ (Gals.) X ___ = ___ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	~~Cond.~~ (mS or uS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
918	68.6	4.6	1807	5		186	—	

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 6/14/04 Sampling Time: 918 Depth to Water:

Sample I.D.: MW-25 Laboratory:

Analyzed for: Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

FB I.D. (if applicable): @ Time Analyzed for:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 040614-01	Site: Angeles Chemical Co.
Sampler: Chris Davis	Date: 6/15/04
Well I.D.: MW-26	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 39.75	Depth to Water (DTW): 39.33
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type N/A
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: ~~Bailer~~ Waterra
~~Disposable Bailer~~ 2" Rediflo pump
Positive Air Displacement Extraction Pump
~~Electric Submersible~~ Other_____

Sampling Method: Bailer
~~Disposable Bailer~~
Extraction Port
~~Dedicated Tubing~~
Other: Dedicated Bailer

Flow Rate= No Purge

_____(Gals.) X _____ = _____ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1325	75.6	5.8	2032	—	—	-0	—	

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 6/15/04 Sampling Time: 1325 Depth to Water:

Sample I.D.: MW-26 Laboratory: STS

Analyzed for: Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

FB I.D. (if applicable): @ Time Analyzed for:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELLHEAD INSPECTION CHECKLIST

Client Blakely Env. Date 6/14/04

Site Address 8915 Sorensen Ave. Santa Fe Springs Ca

Job Number 040614-001 Technician D

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Bolts ~~Repair Order Submitted~~
MW-4	X							
MW-6	X							
MW-8	X							
MW-9								X
MW-10	X							
MW-11	X							
MW-12	X							
MW-13	X							
MW-14								X
MW-15								X
MW-16								X
MW-17	X							
MW-18	X							
MW-19								X
MW-20	X							
MW-21								X

NOTES:

ANCHEM0660

WELLHEAD INSPECTION CHECKLIST

Client _____ Date _____

Site Address _____

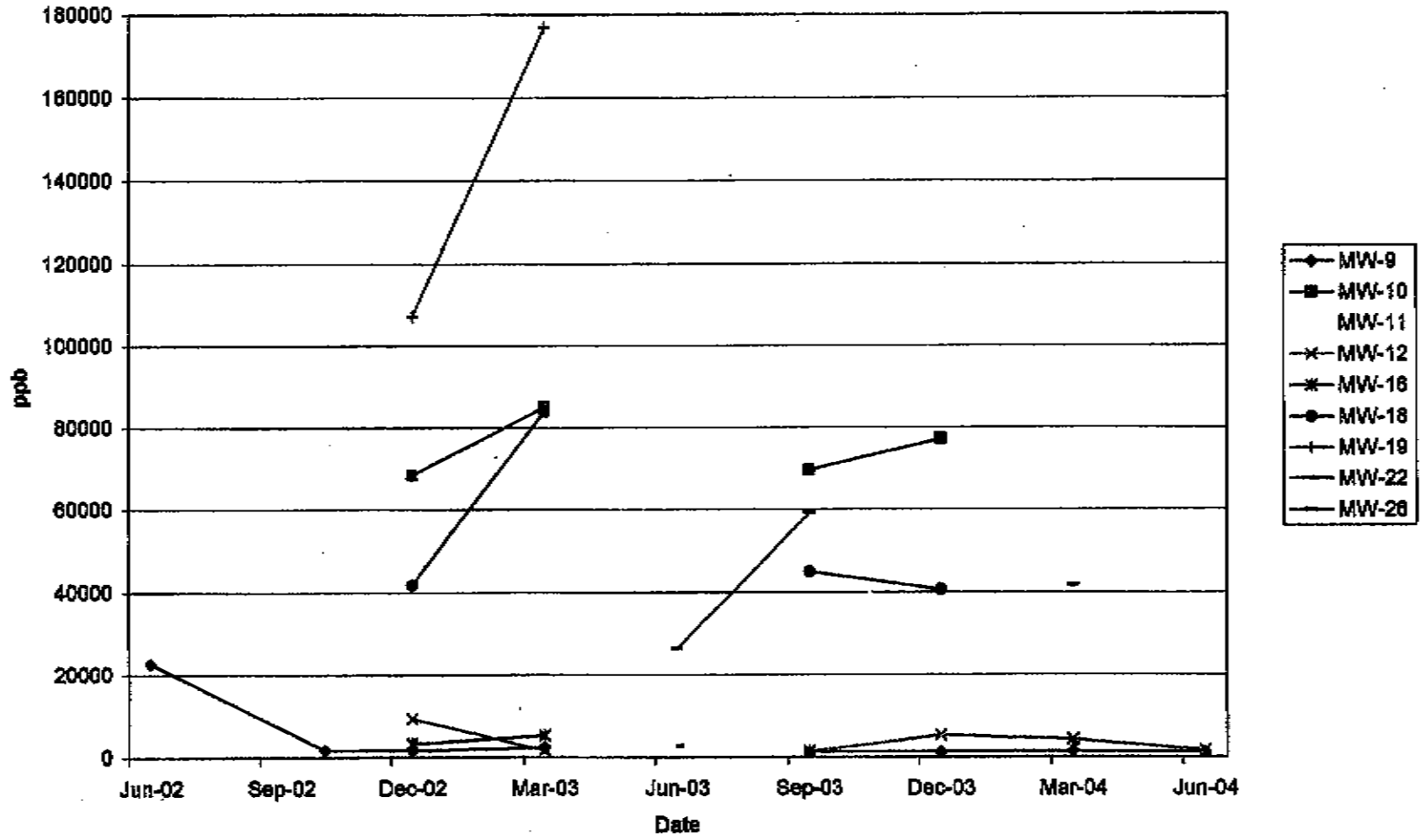
Job Number _____ Technician _____

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Bolts Repair Order ~~Submitted~~ 74569
MW-22	X							
MW-23	X							
MW-24								X
MW-25	X							
MW-26	X							

NOTES: _____

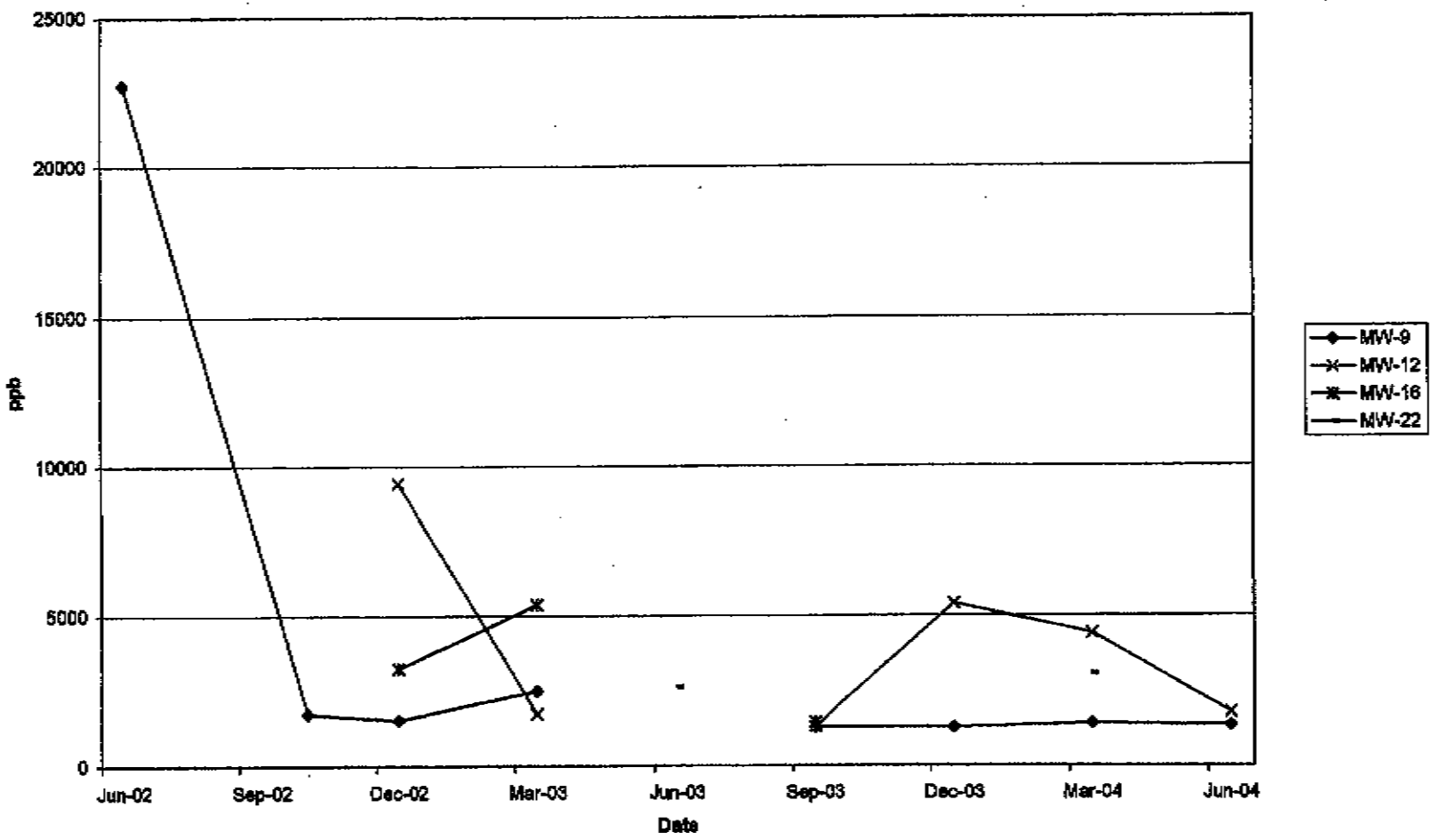
ANCHEM0661

Dissolved TPH-gas in 1st Water Wells



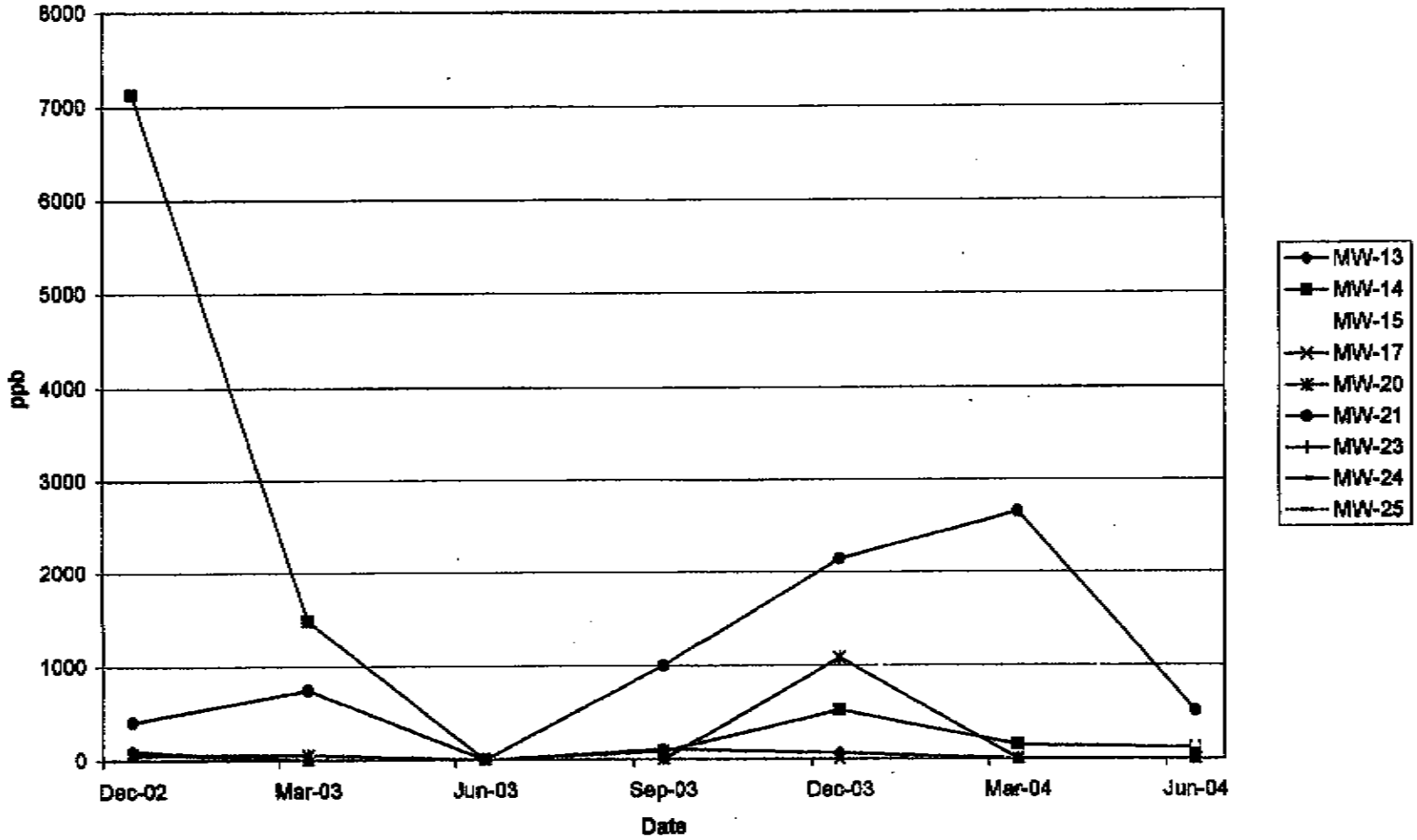
ANCHEM0663

Dissolved TPH-gas in 1st Water Wells
(excluding MW-10, MW-11, MW-18, MW-19 and MW-26 for smaller scale)



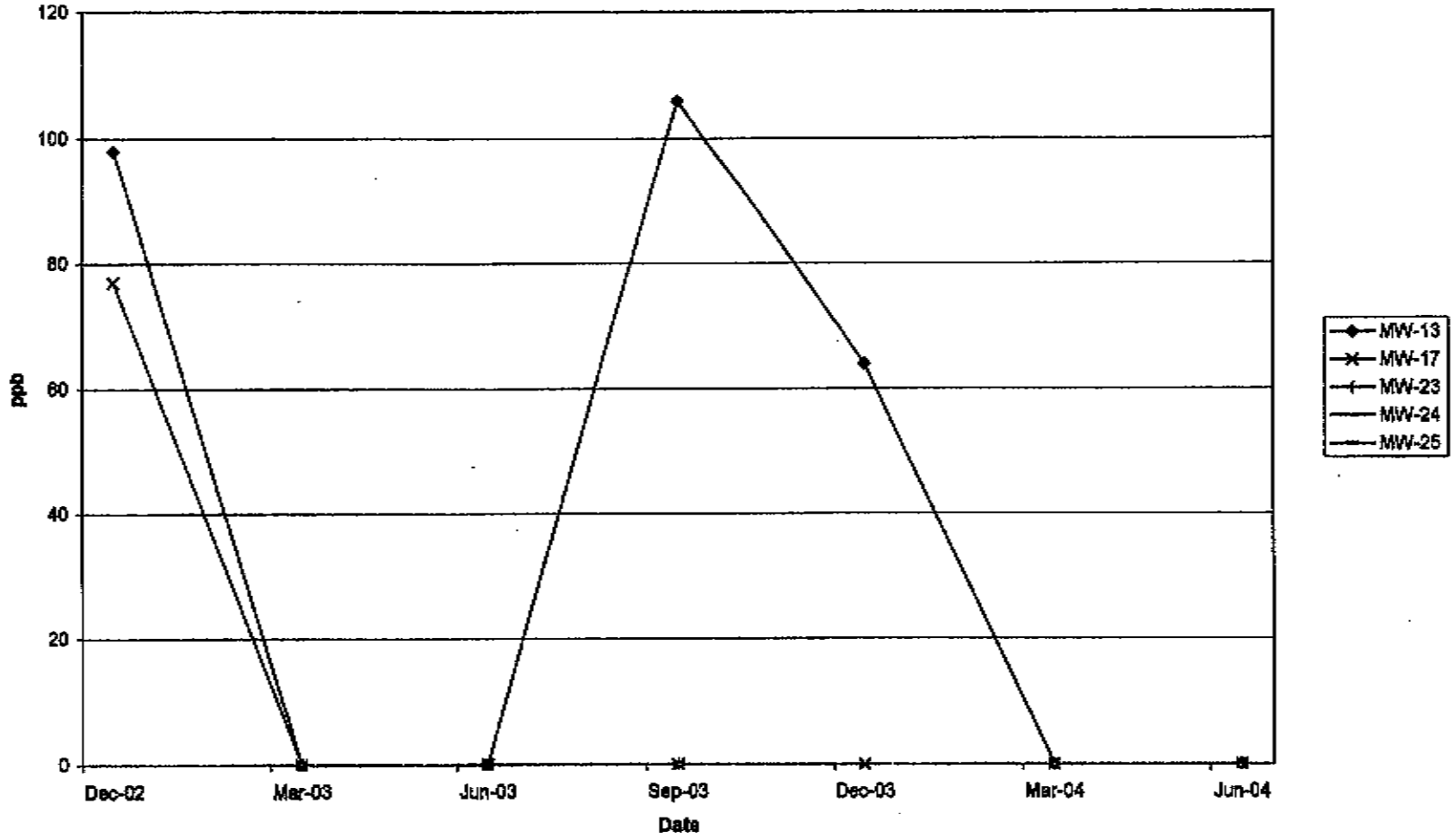
ANCHEM0664

Dissolved TPH-gas in A1 Wells



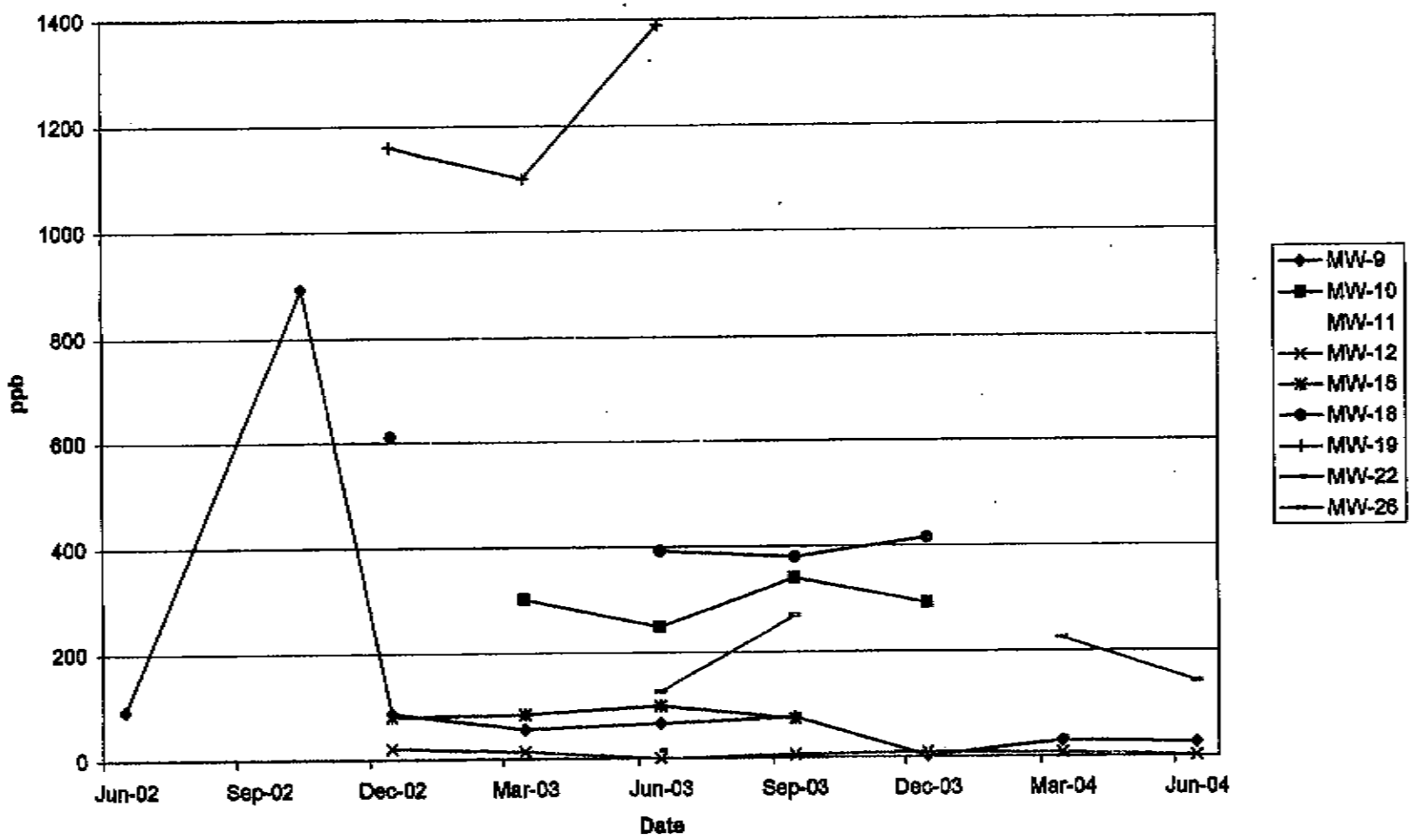
ANCHEM0665

Dissolved TPH-gas in A1 Wells
(excluding MW-14, MW-15, MW-20 and MW-21 for smaller scale)



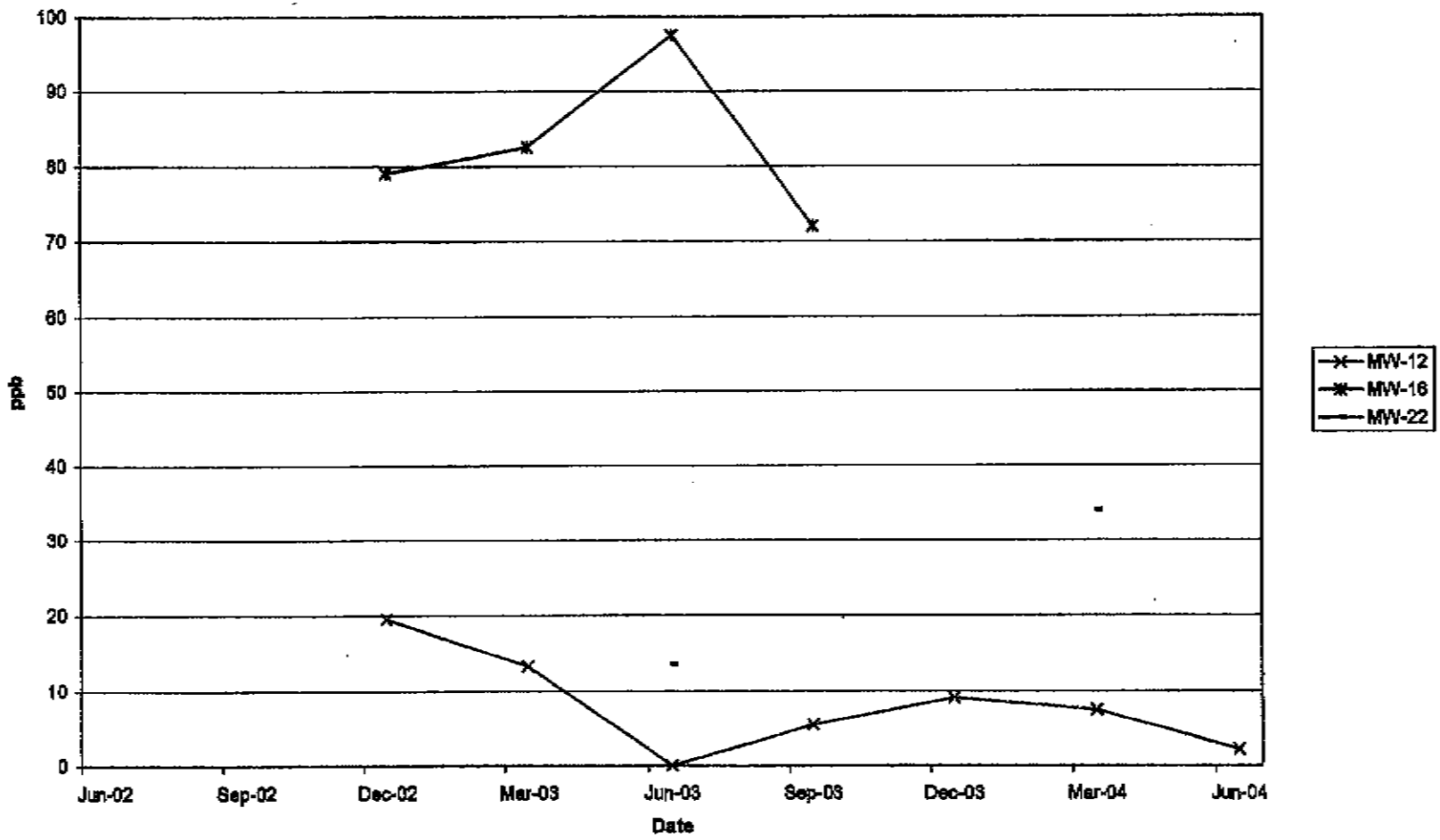
ANCHEM0666

Dissolved Benzene in 1st Water Wells



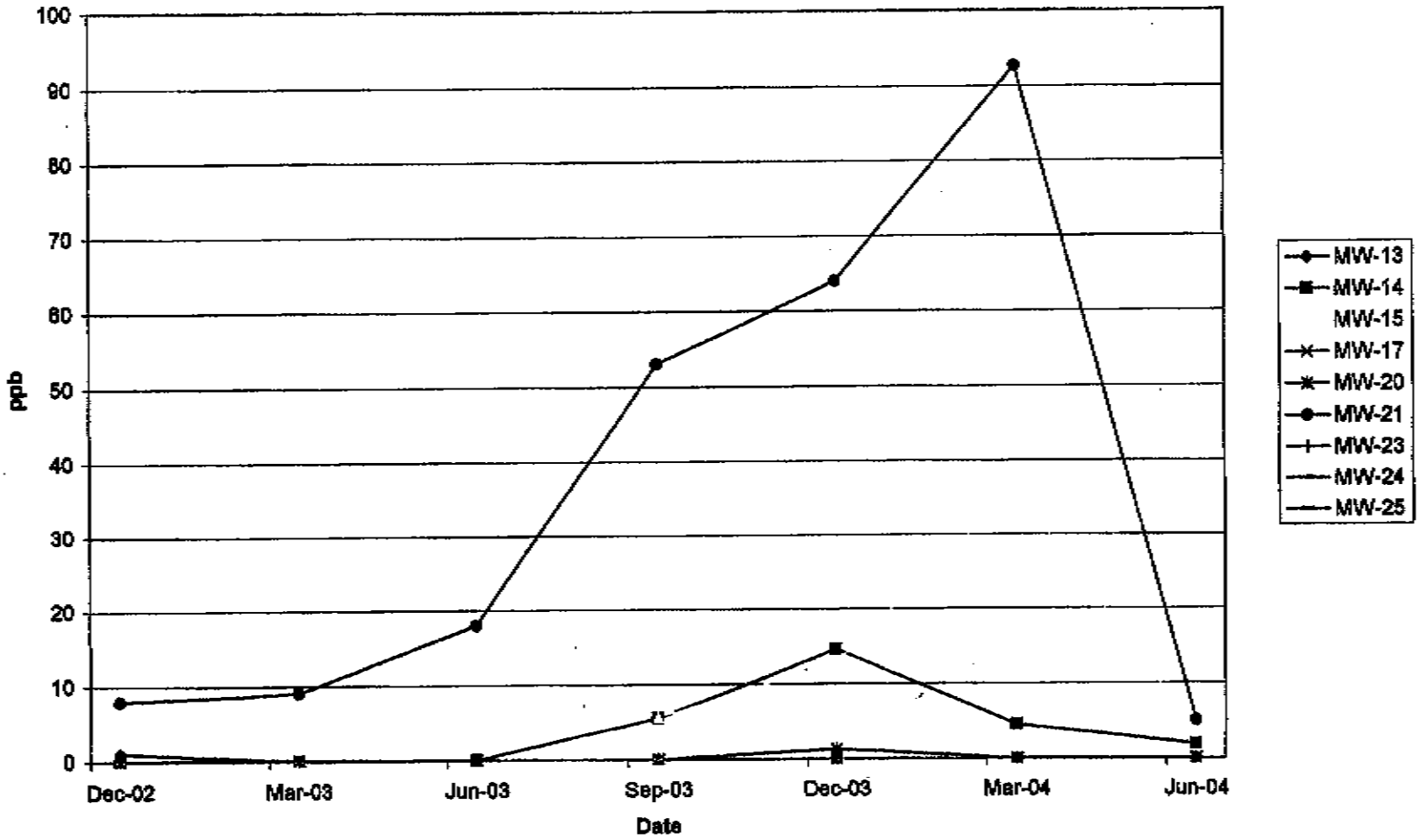
ANCHEM0667

Dissolved Benzene in 1st Water Wells
(excluding MW-9, MW-10, MW-11, MW-18, MW-19 and MW-26 for smaller scale)



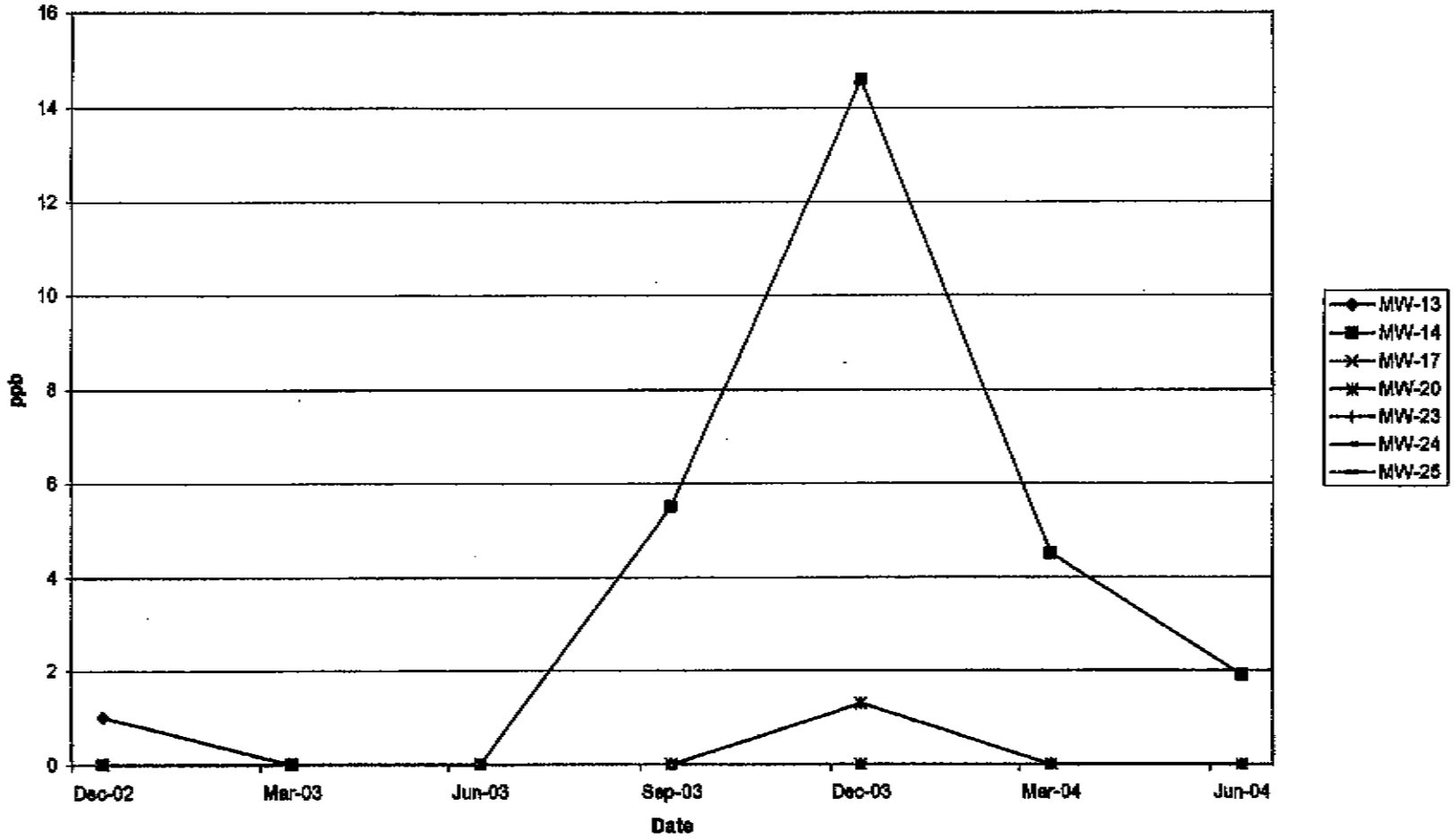
ANCHEM0668

Dissolved Benzene in A1 Wells



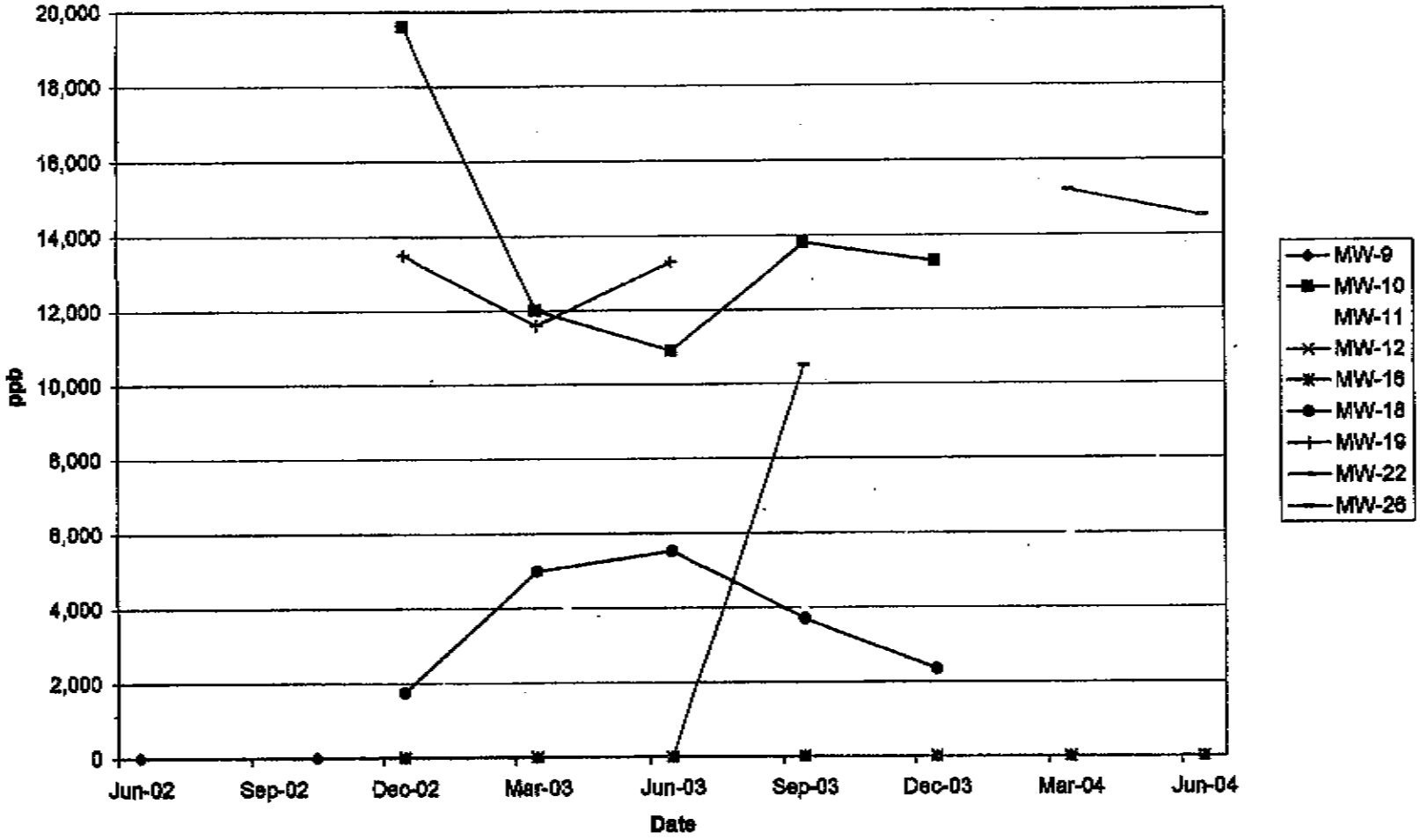
ANCHEM0669

Dissolved Benzene in A1 Wells
(excluding MW-15 and MW-21 for smaller scale)



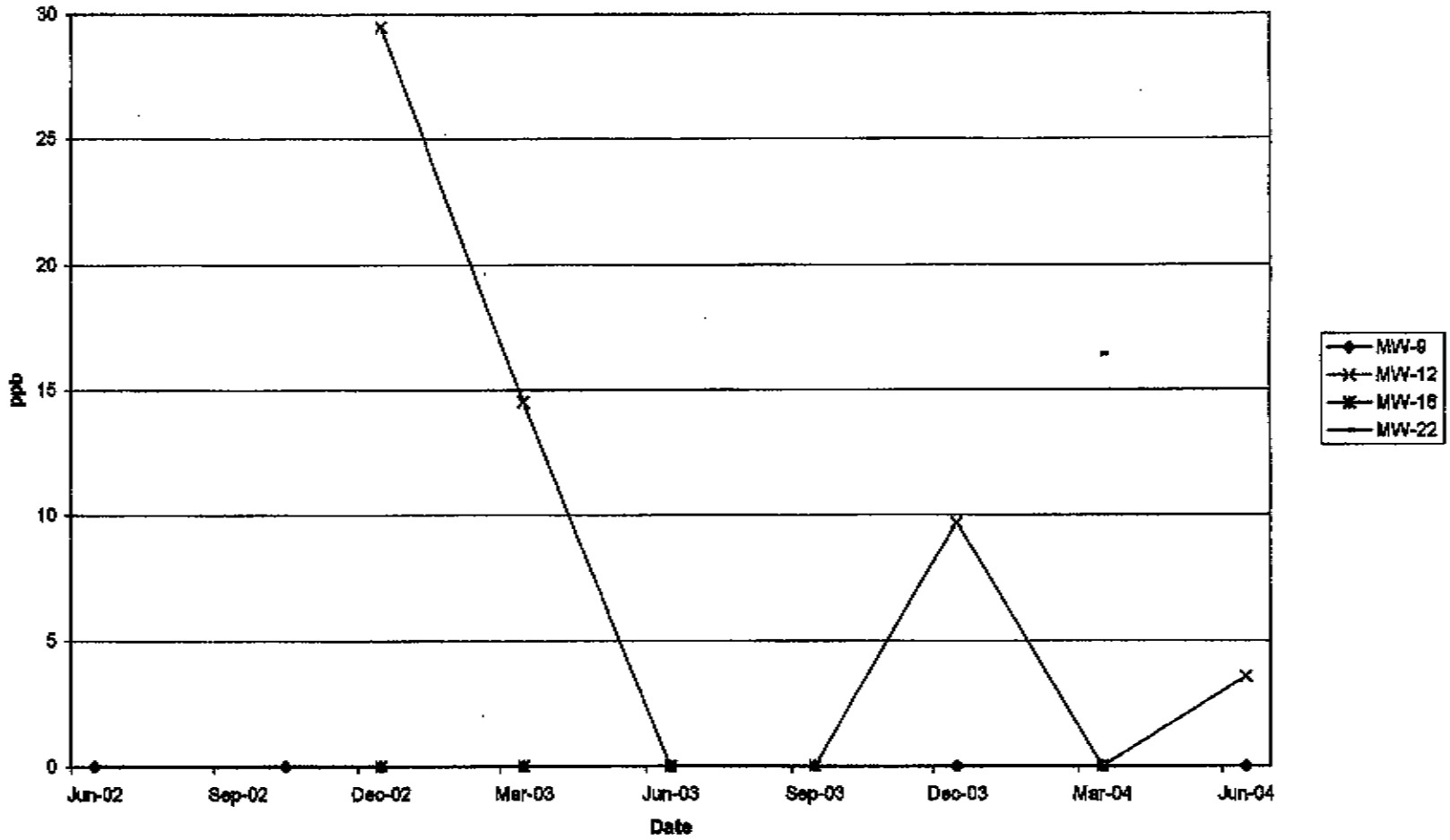
ANCHEM0570

Dissolved Toluene in 1st Water Wells



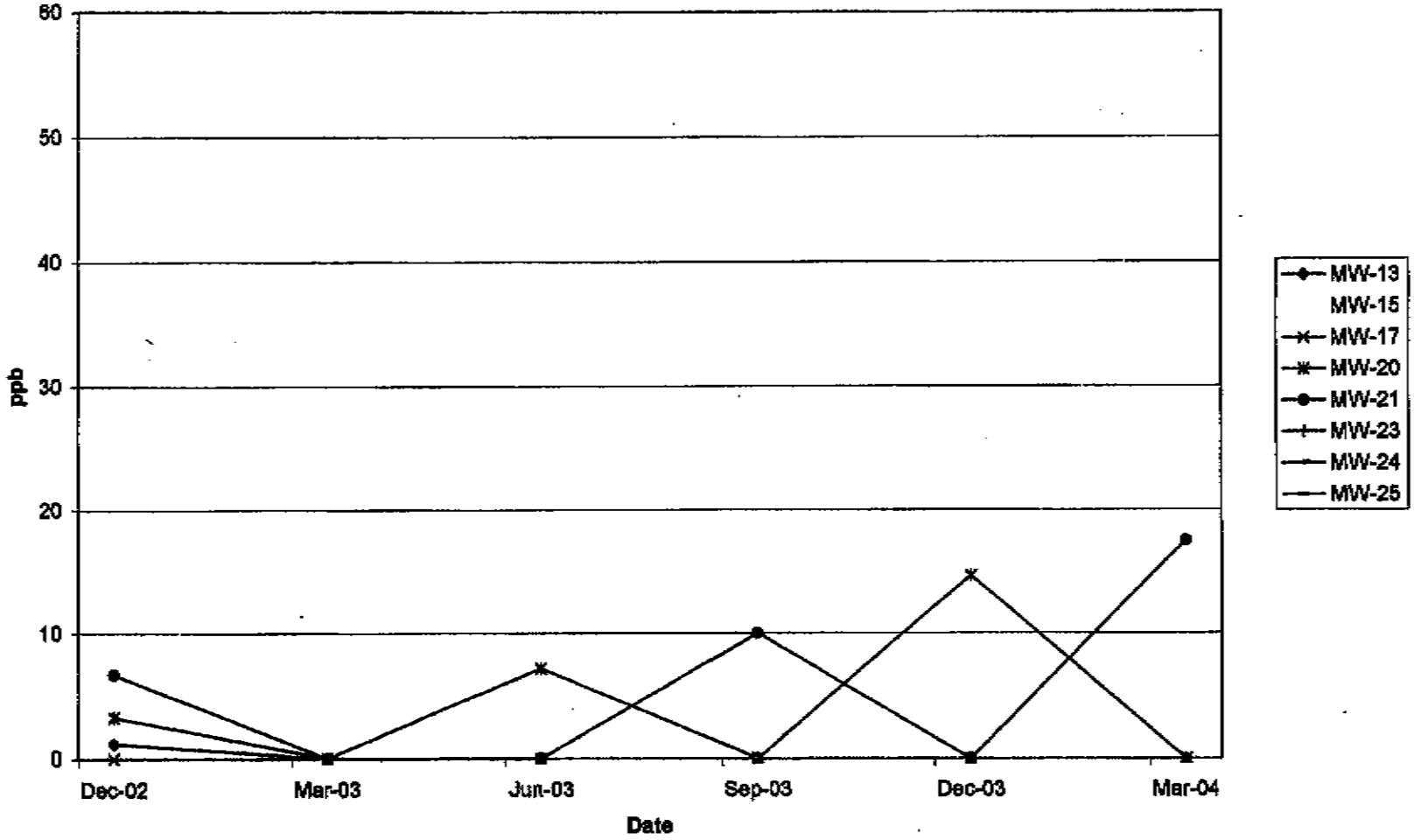
ANCHEM0671

Dissolved Toluene In 1st Water Wells
(excluding MW-10, MW-11, MW-18, MW-19 and MW-26 for smaller scale)



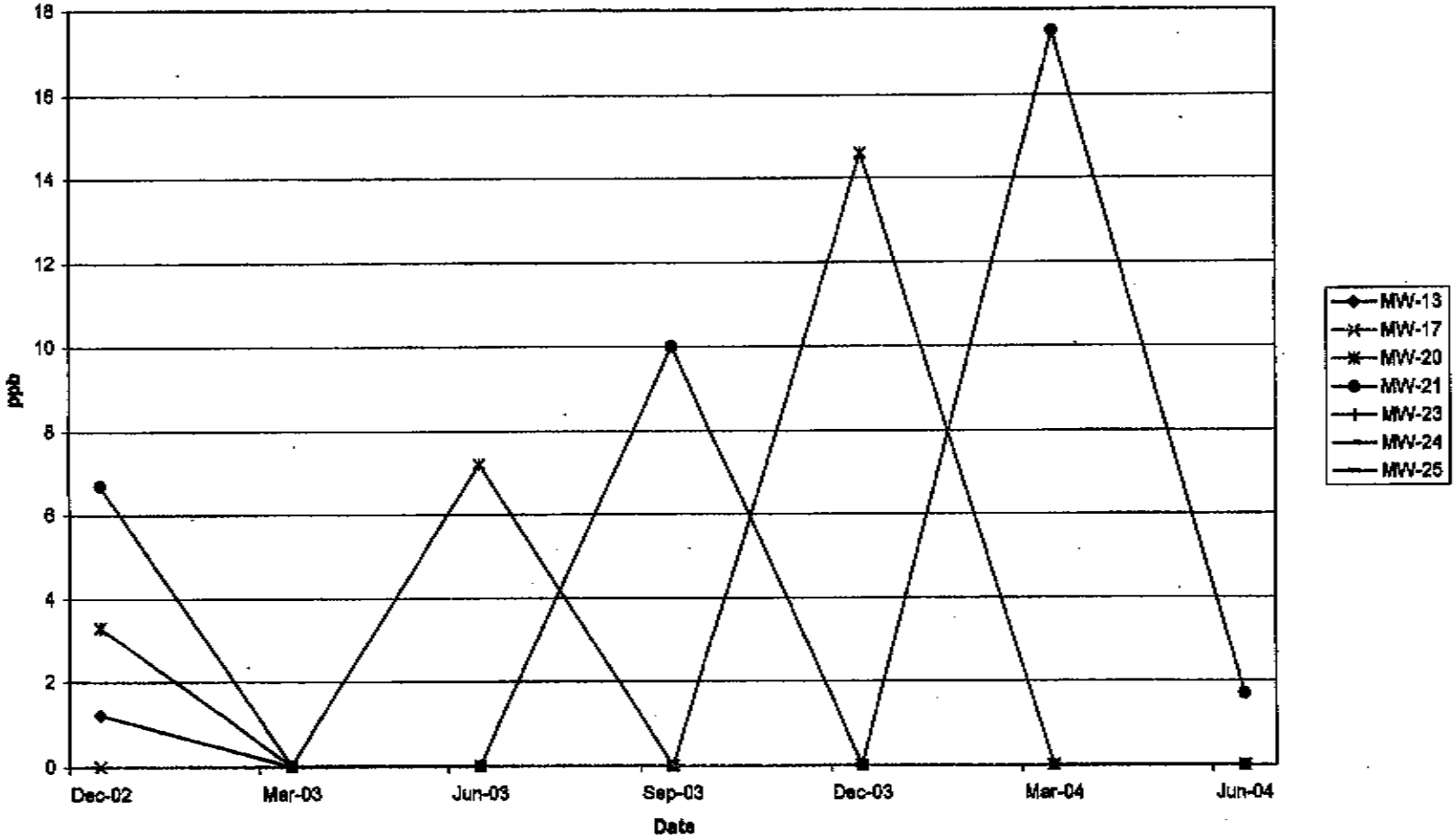
ANCHEM0672

Dissolved Toluene in A1 Wells



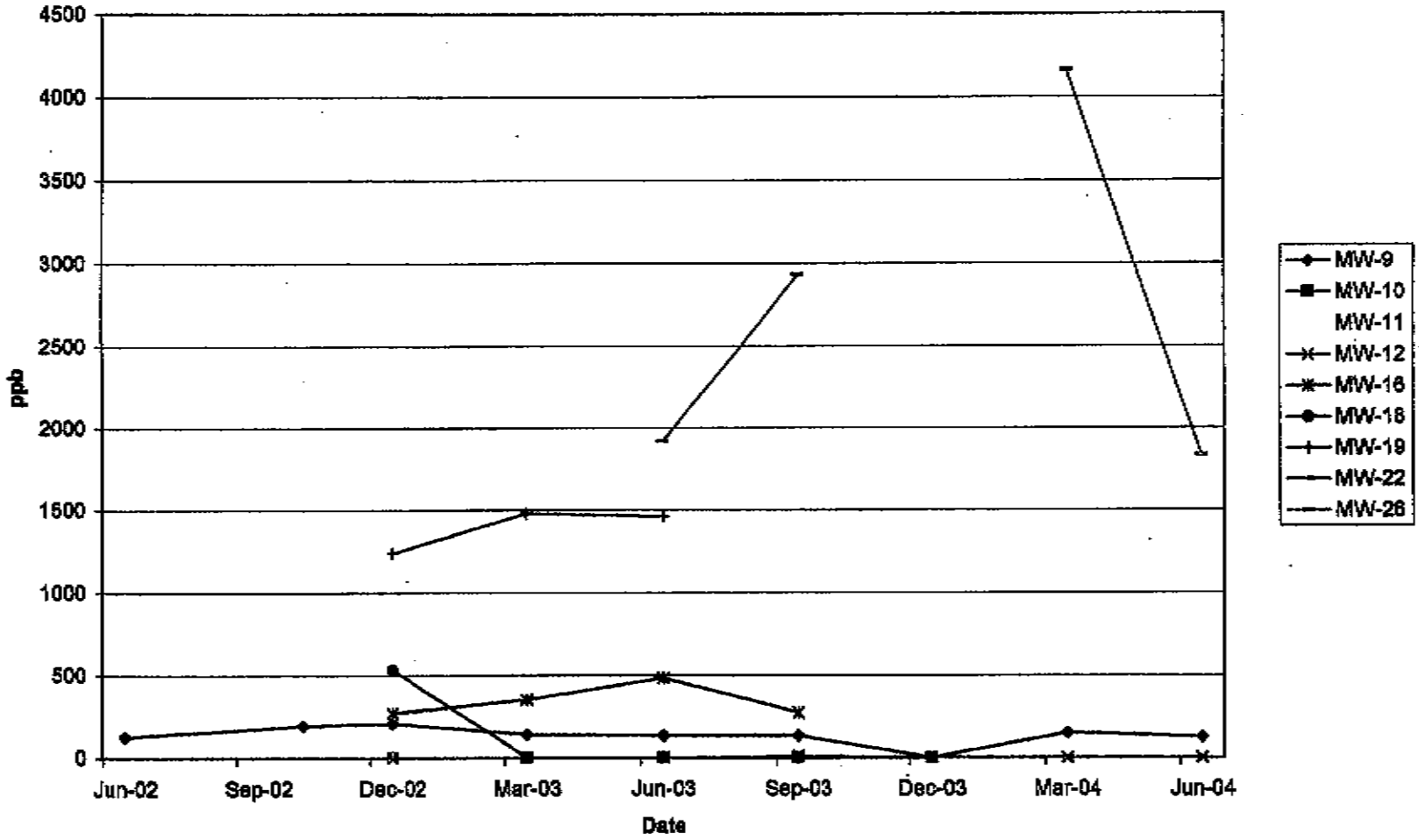
ANCHEM0673

Dissolved Toluene in A1 Wells
(excluding MW-14 and MW-15 for smaller scale)



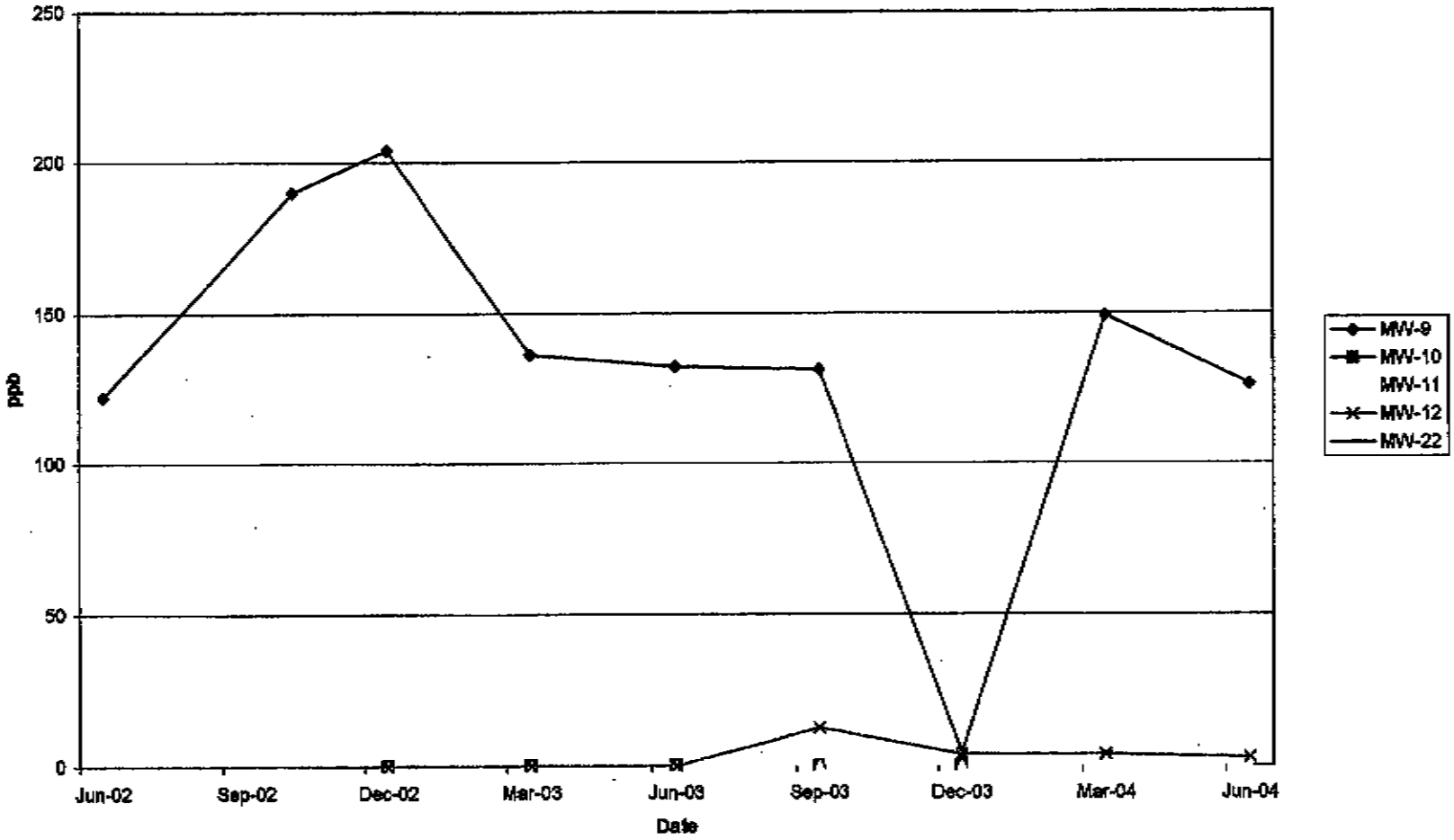
ANCHEM0674

Dissolved PCE in 1st Water Wells



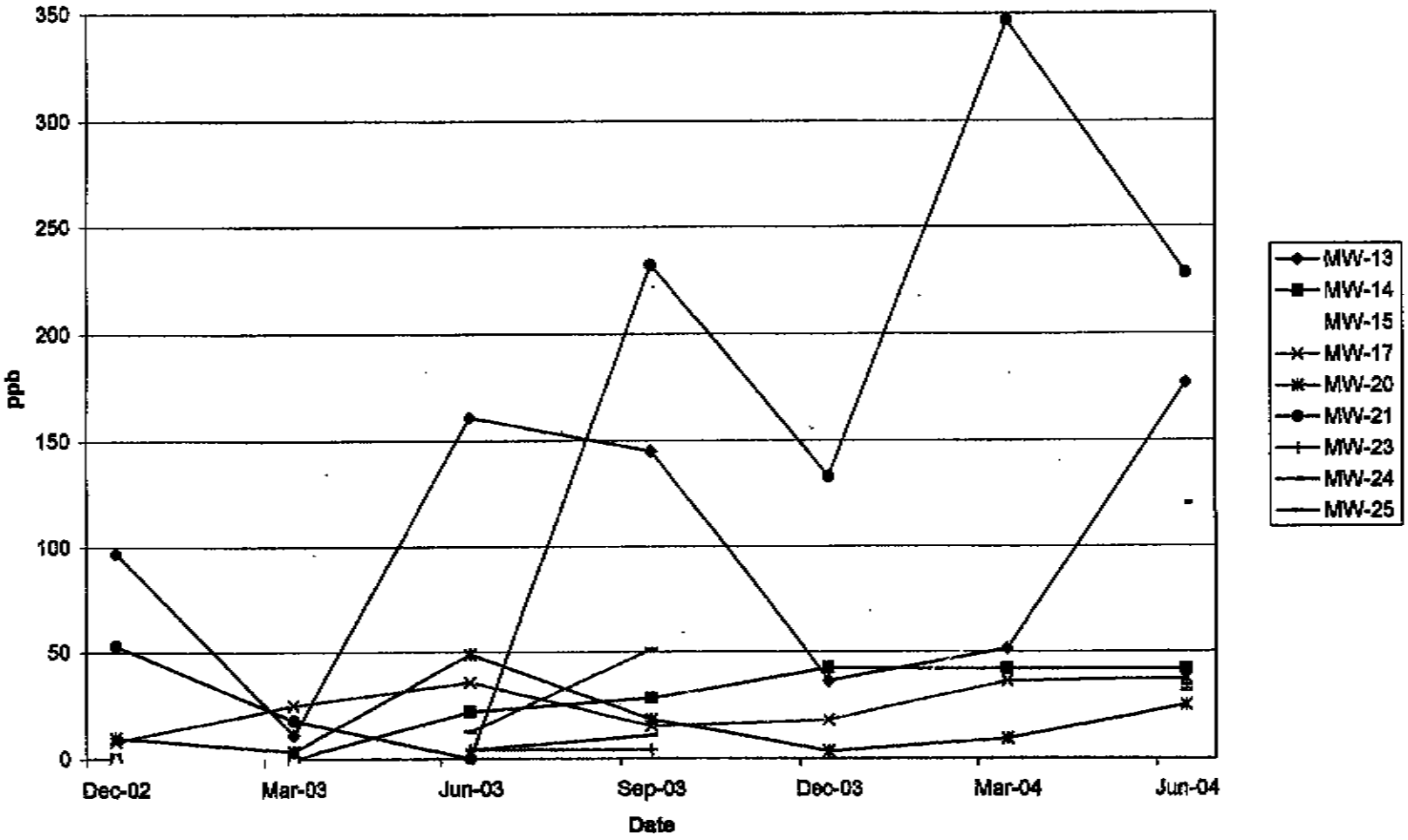
ANCHEM0675

Dissolved PCE in 1st Water Wells
(excluding MW-16, MW-18, MW-19 and MW-26 for smaller scale)



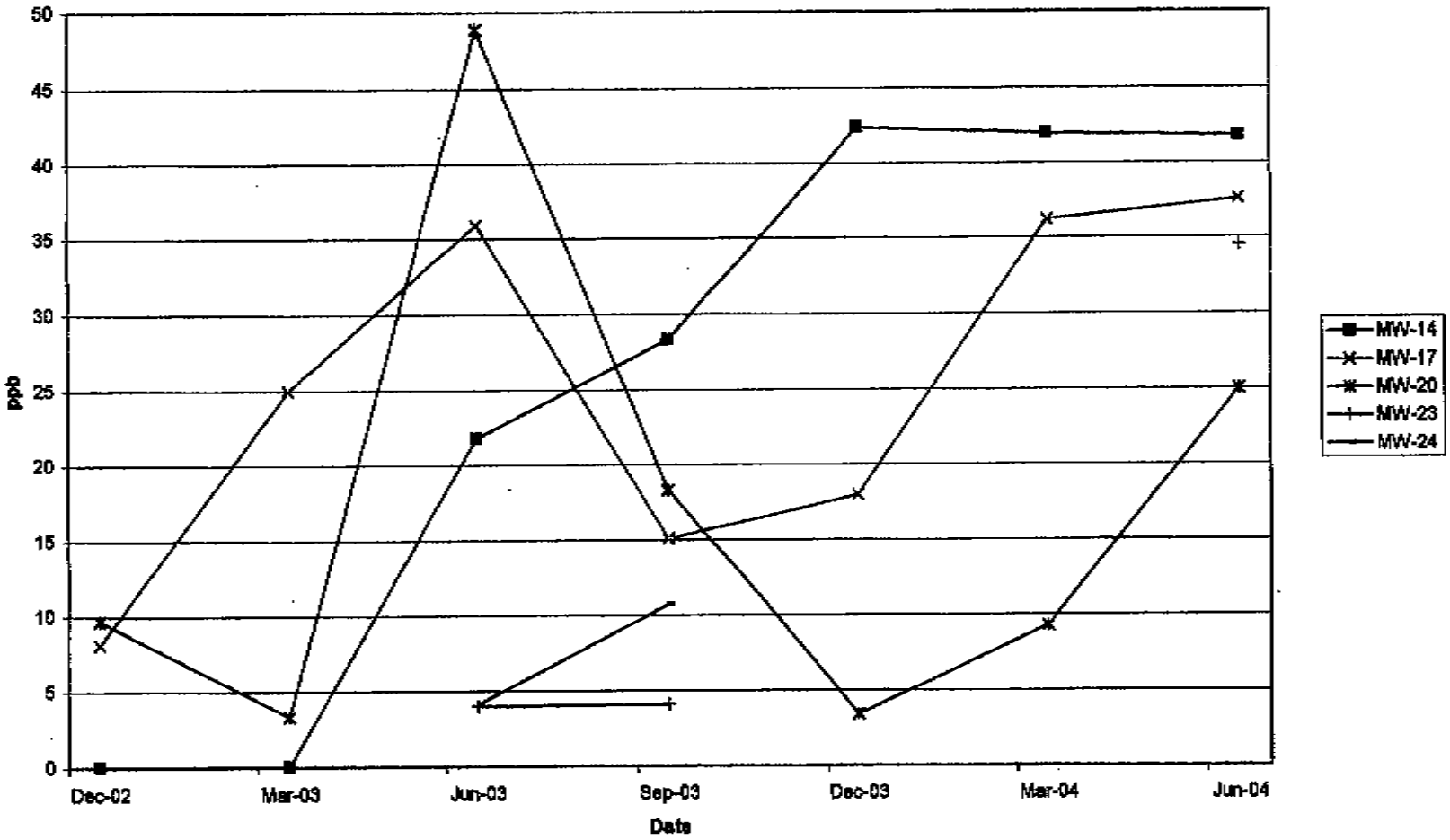
ANCHEM0676

Dissolved PCE in A1 Wells



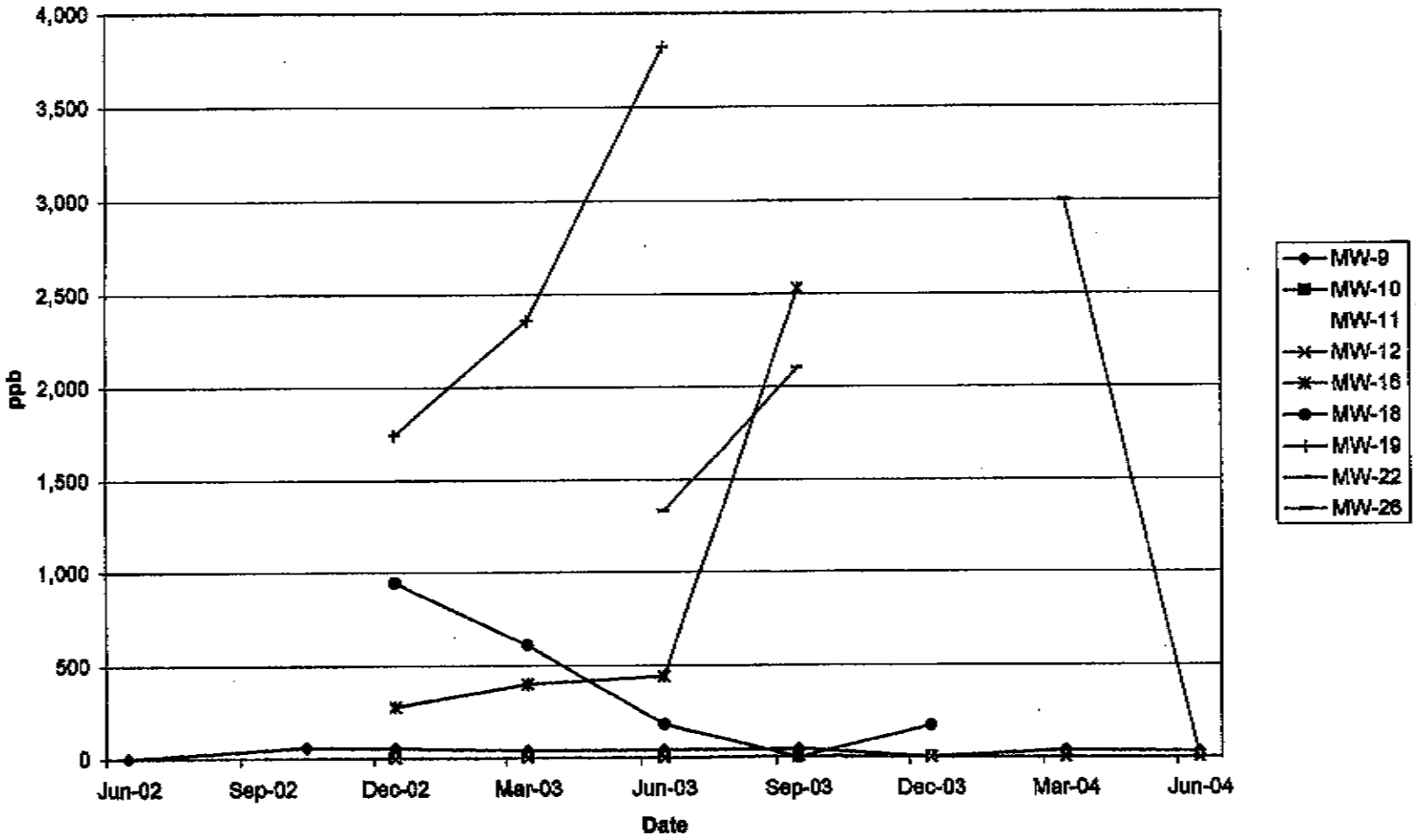
ANCHEM0677

Dissolved PCE in A1 Wells
(excluding MW-13, MW-15, MW-21 and MW-25 for smaller scale)



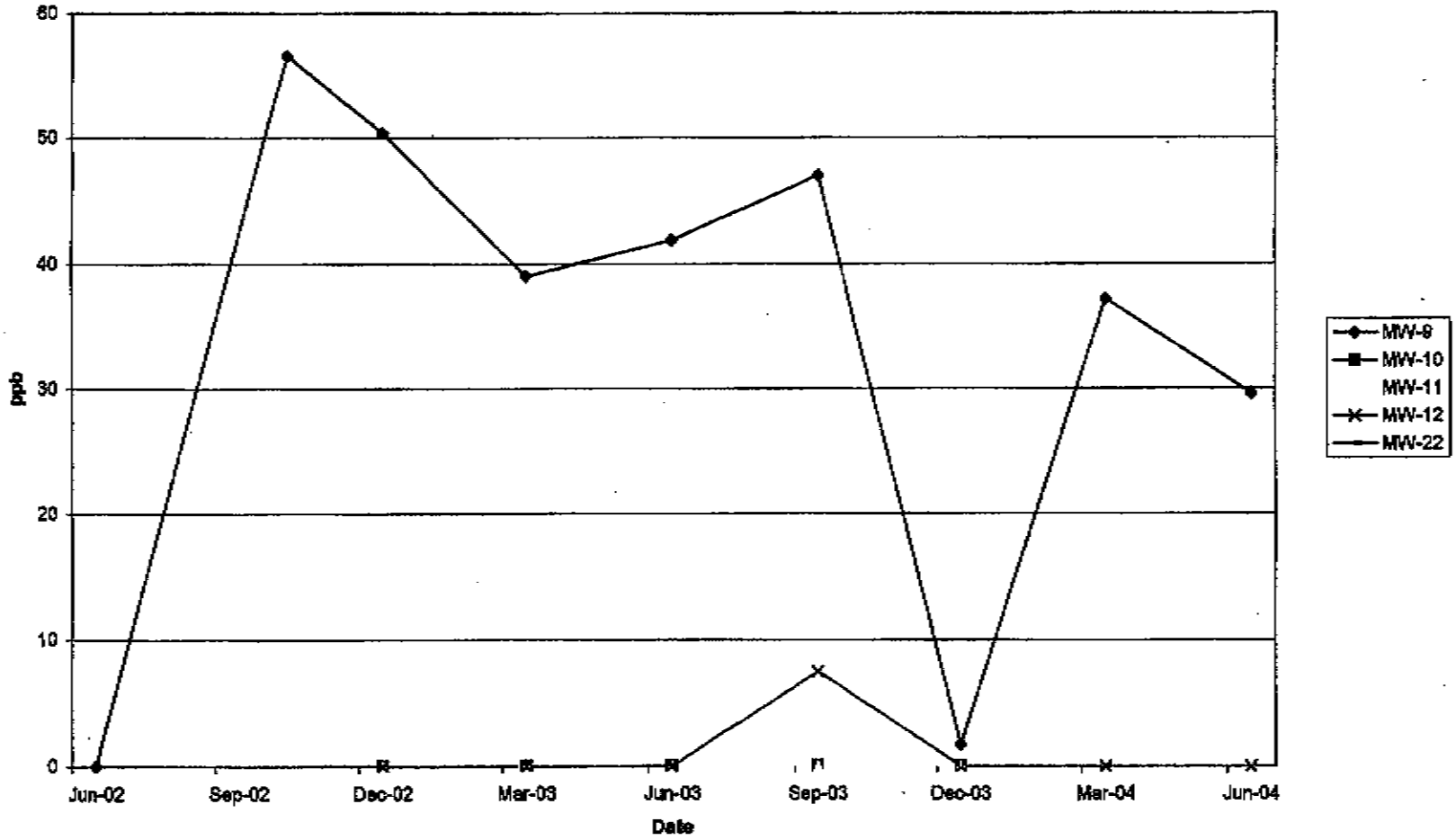
ANCHEM0678

Dissolved TCE in 1st Water Wells

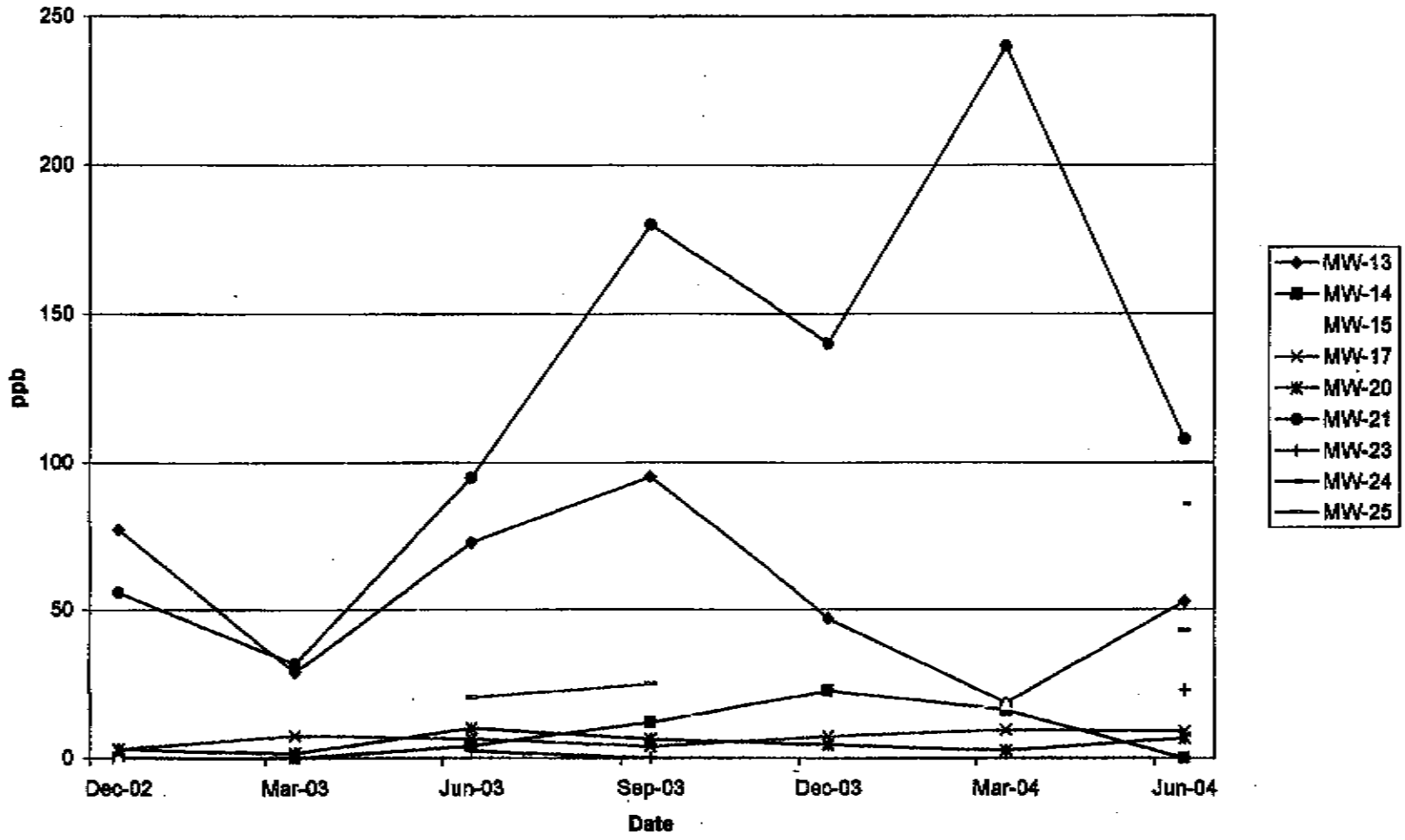


ANCHEM0679

Dissolved TCE in 1st Water Wells
(excluding MW-16, MW-18, MW-19 and MW-26 for smaller scale)

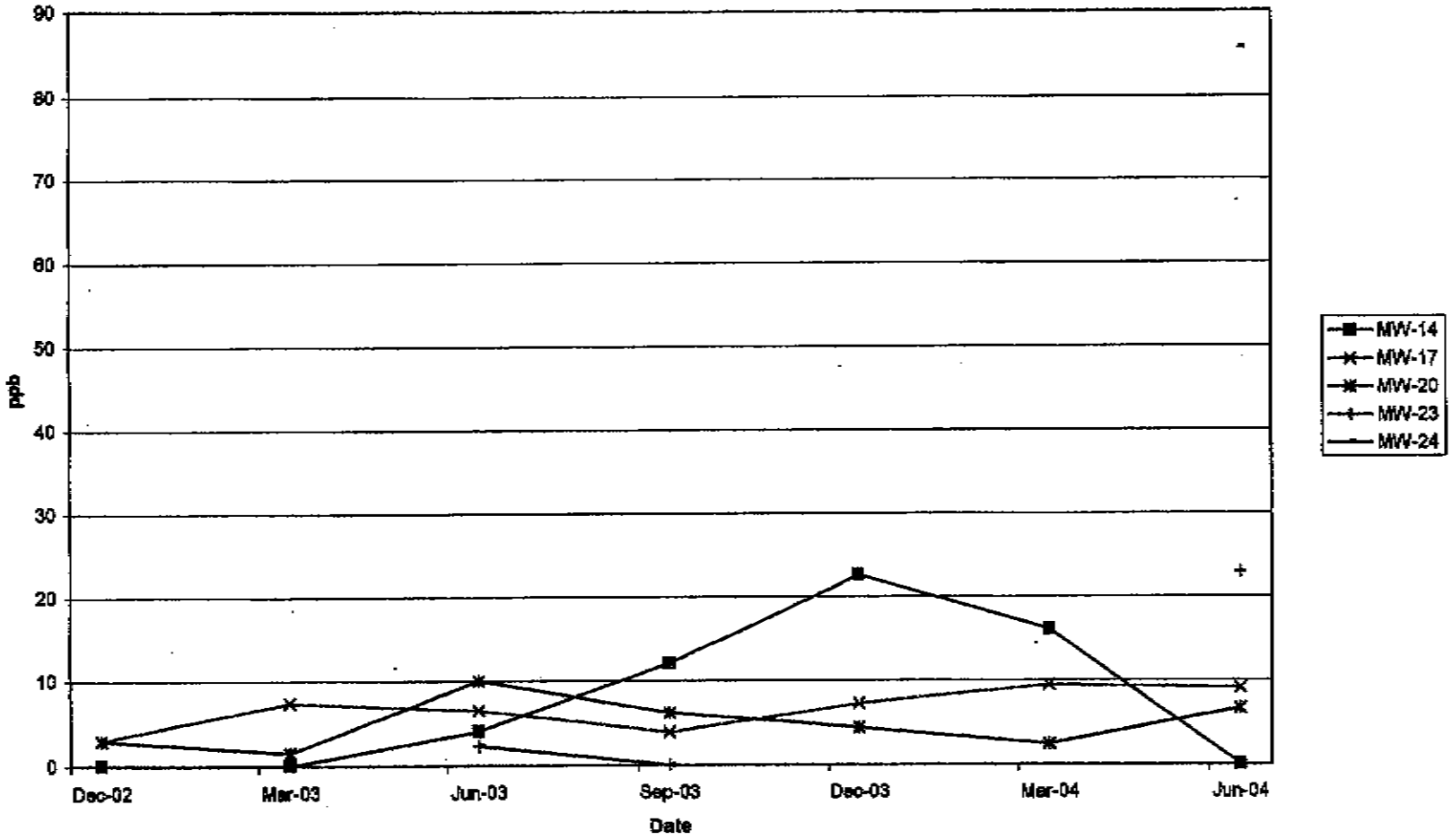


ANCHEM0680

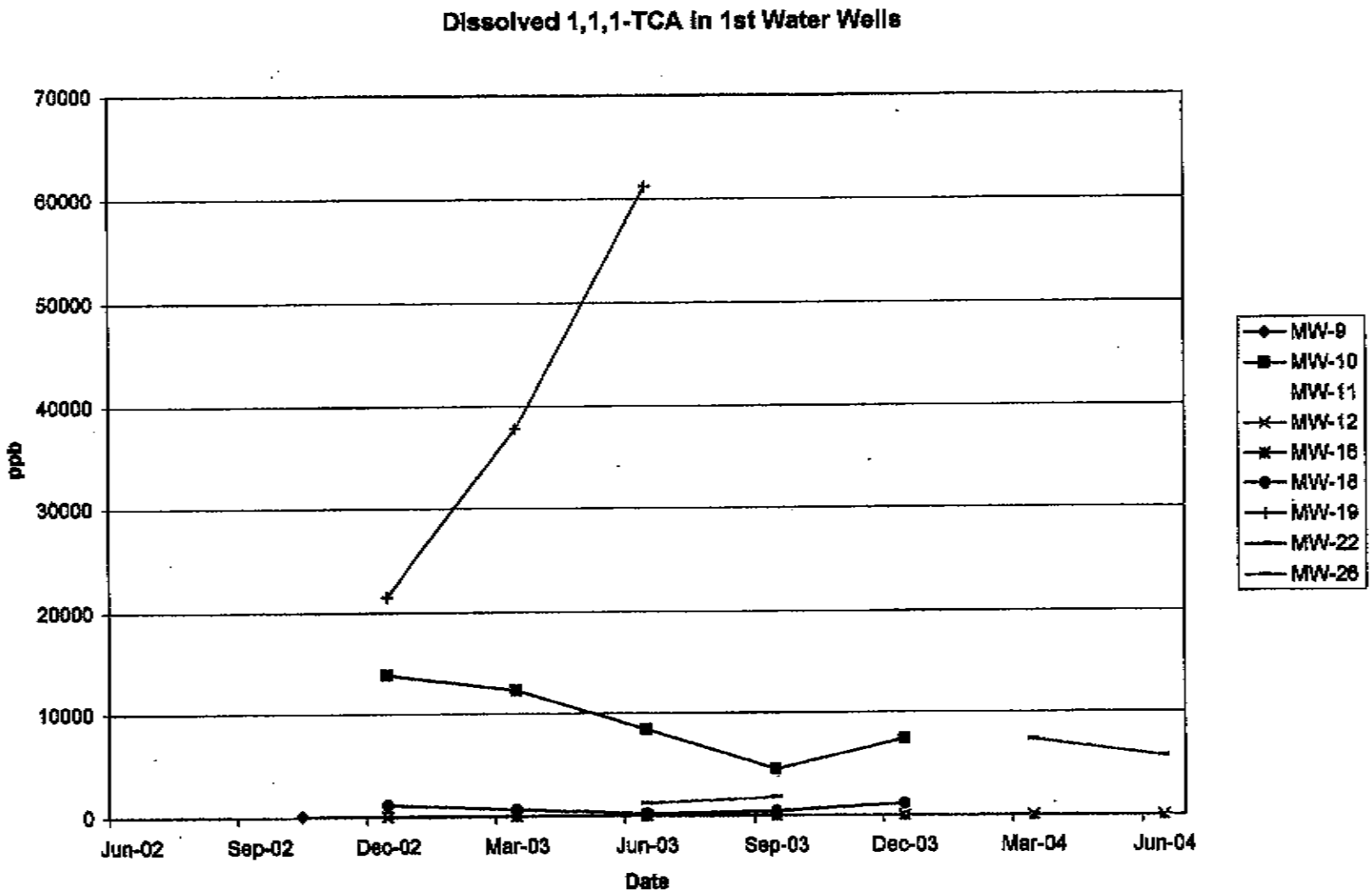

Dissolved TCE in A1 Wells
250
200
150
100
50
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

ANCHEM0681

Dissolved TCE in A1 Wells
(excluding MW-13, MW-15, MW-21 and MW-25 for smaller scale)

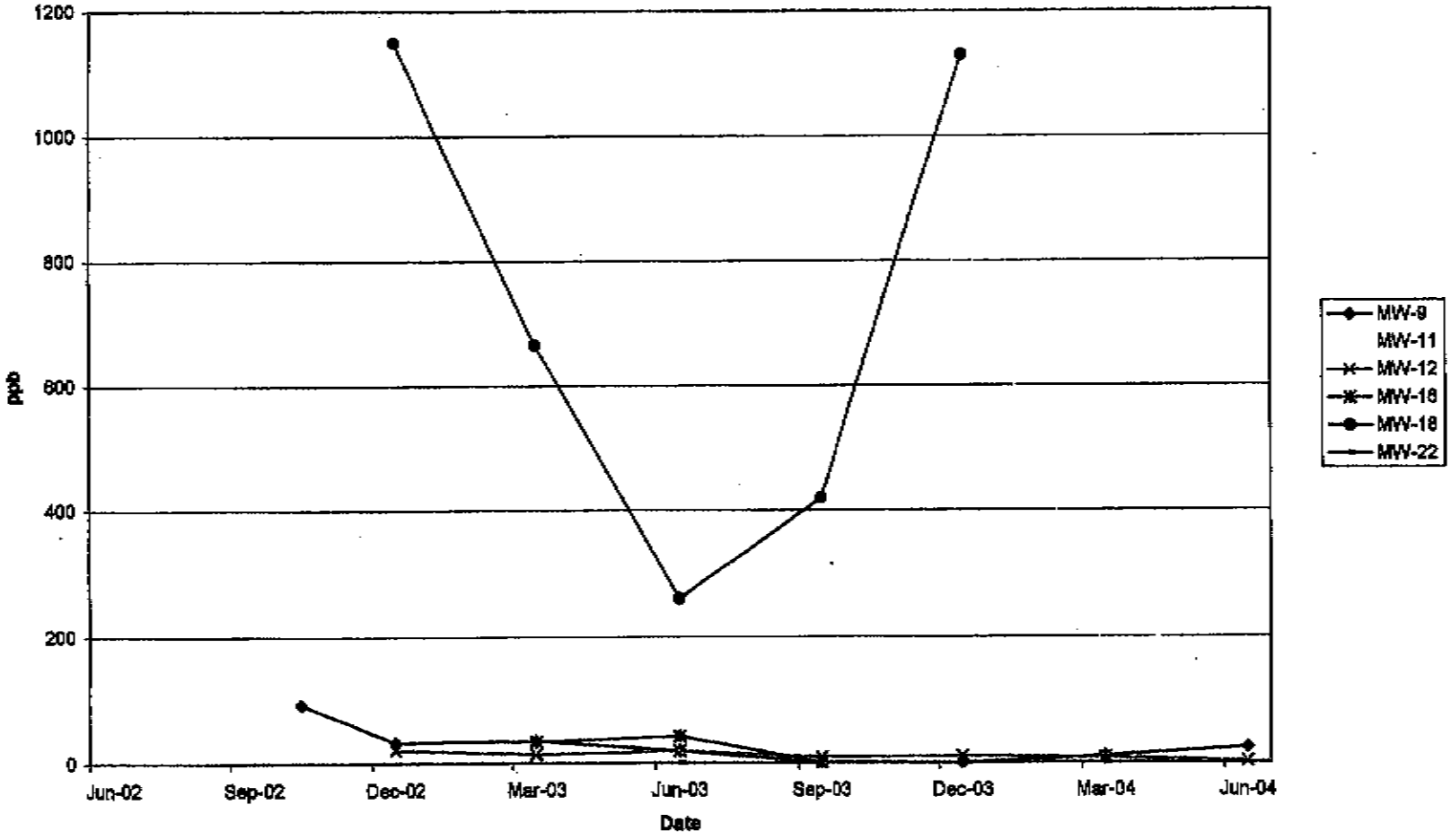


ANCHEM0682


Dissolved 1,1,1-TCA in 1st Water Wells
70000
60000
50000
40000
30000
20000
10000
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Date
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26

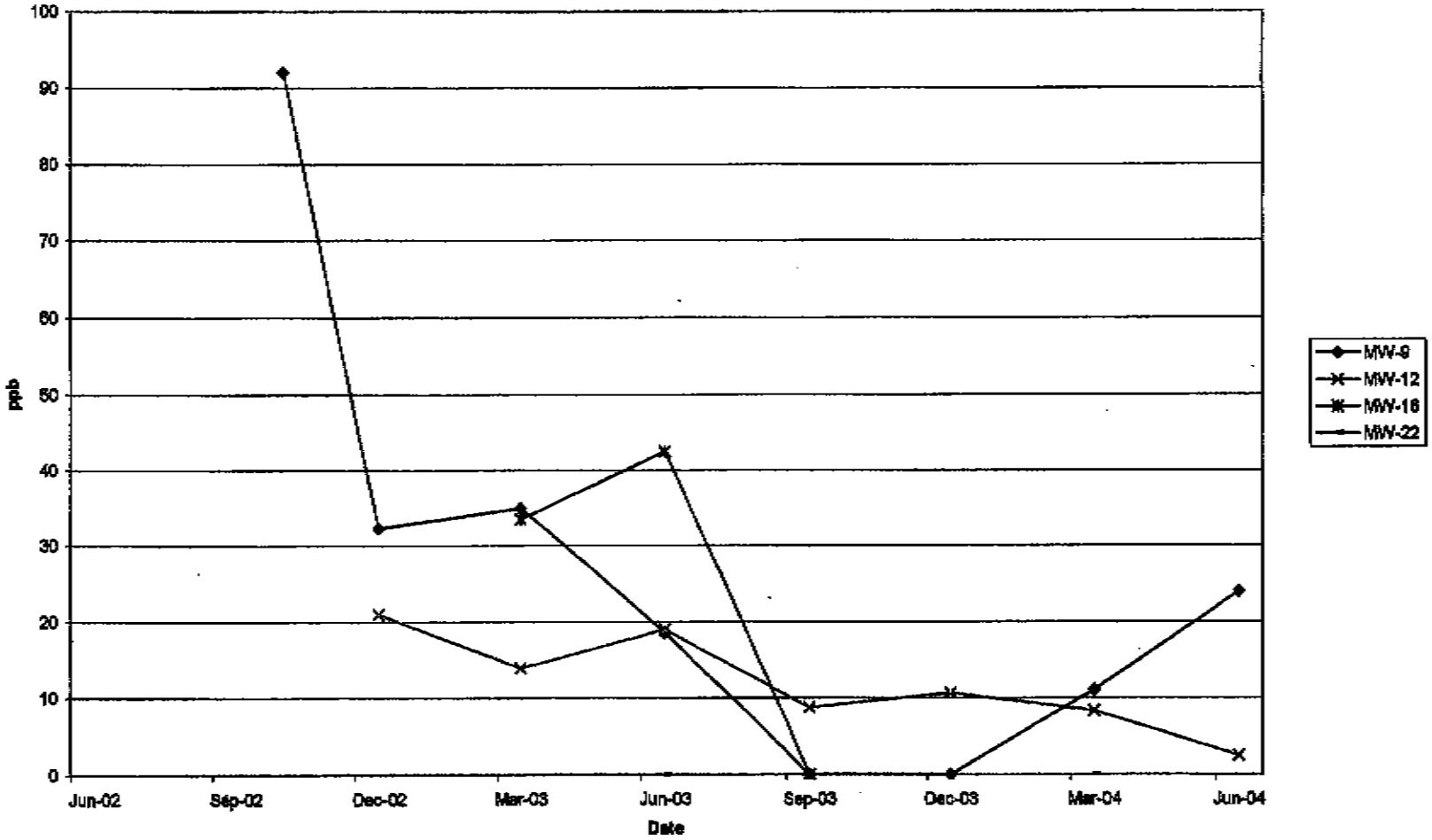
ANCHEM0683

Dissolved 1,1,1-TCA in 1st Water Wells
(excluding MW-10, MW-19 and MW-26 for smaller scale)

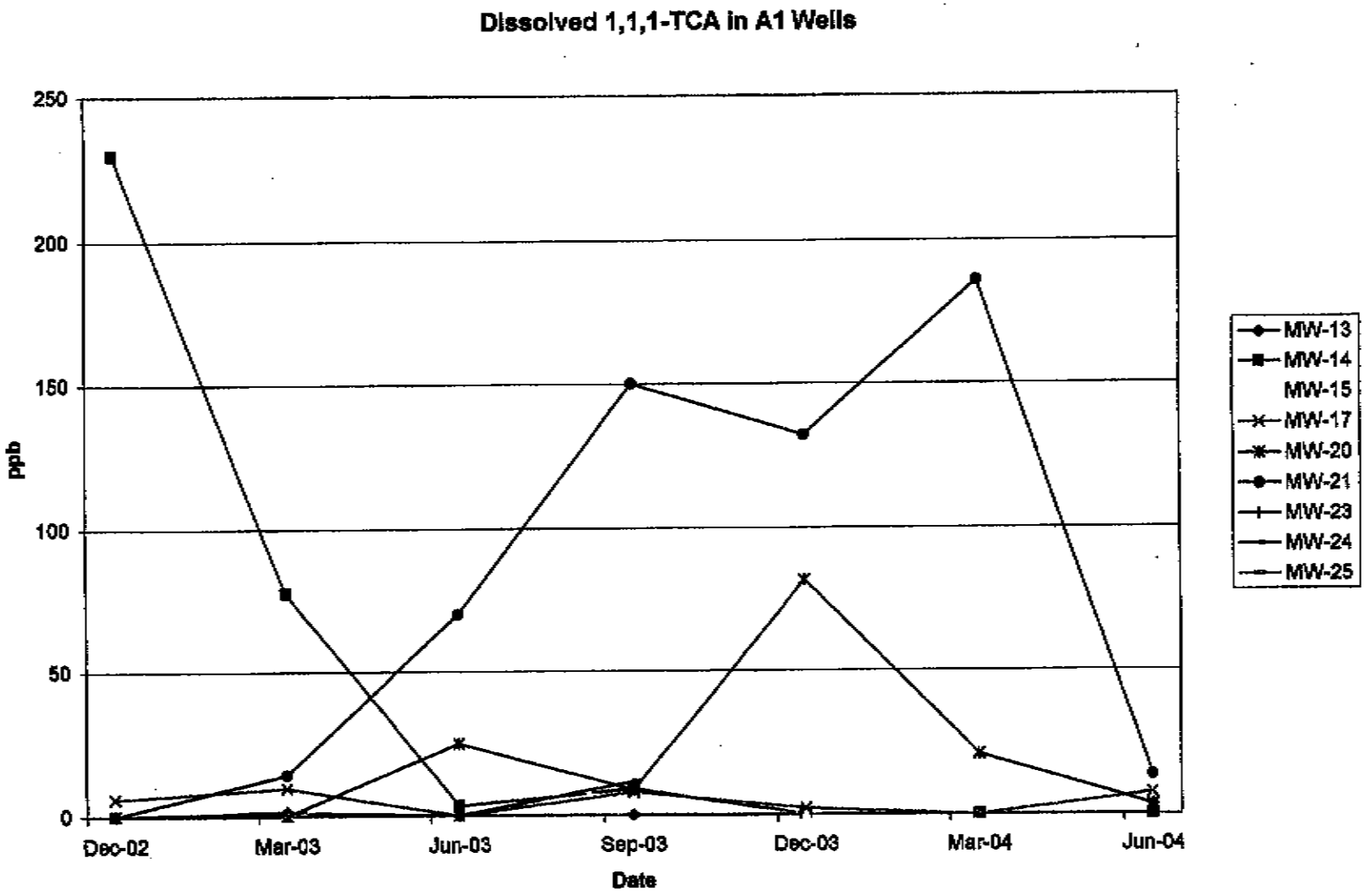


ANCHEM0684

Dissolved 1,1,1-TCA in 1st Water Wells
(excluding MW-10, MW-11, MW-18, MW-19 and MW-26 for smaller scale)

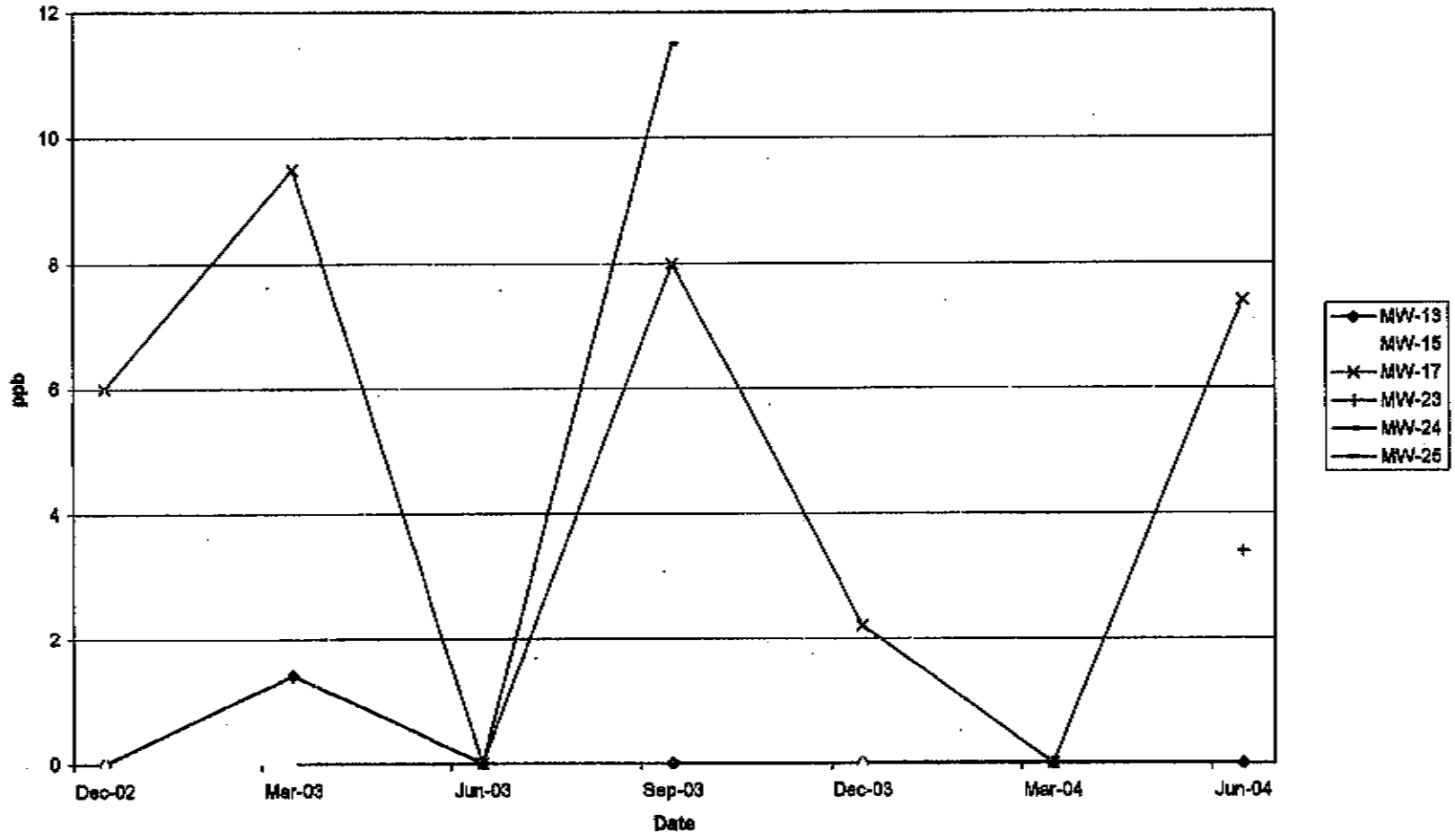


ANCHEM0685


Dissolved 1,1,1-TCA in A1 Wells
250
200
150
100
50
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

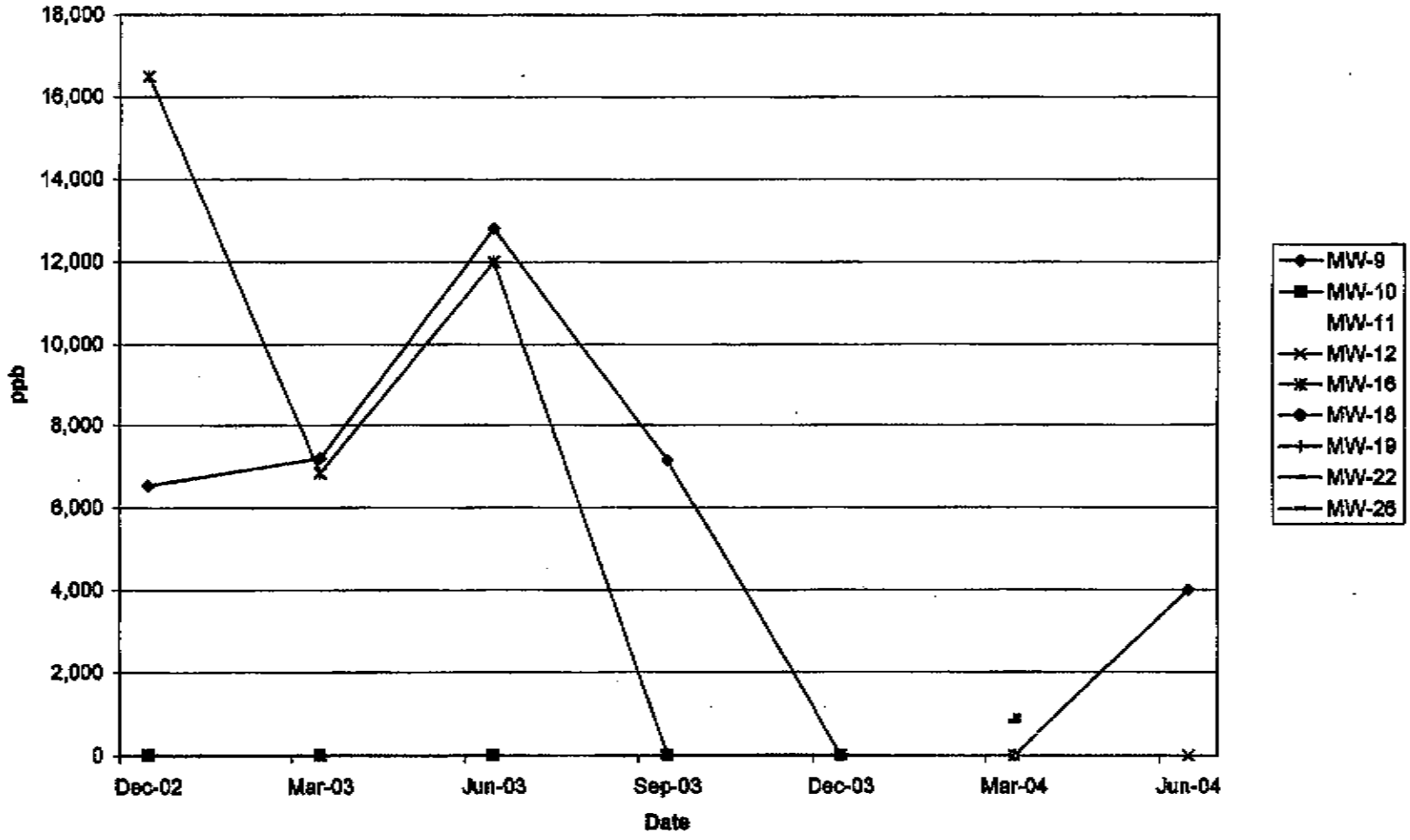
ANCHEM0686

Dissolved 1,1,1-TCA in A1 Wells
(excluding MW-14, MW-20 and MW-21 for smaller scale)



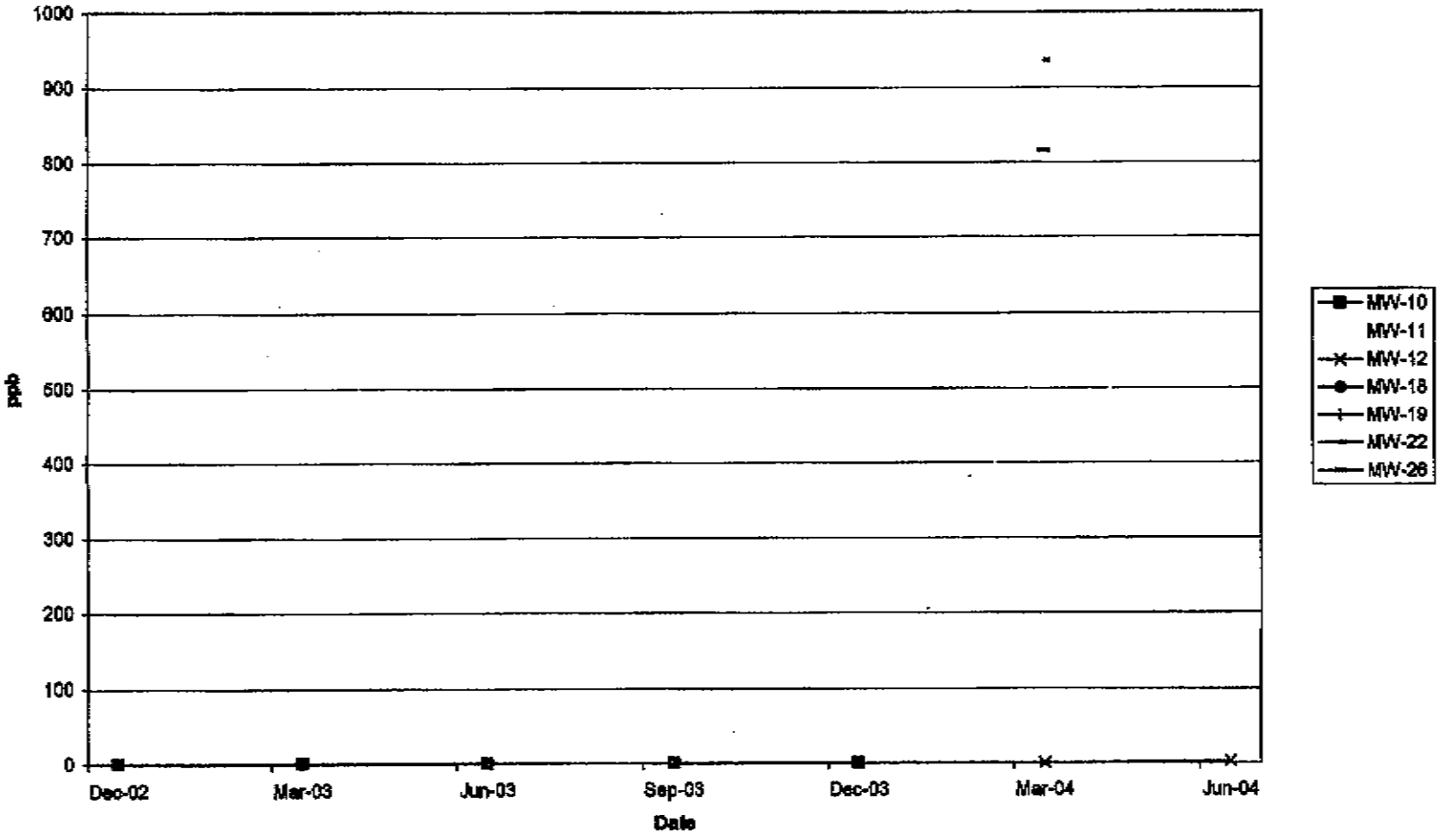
ANCHEM0687

Dissolved 1,4-Dioxane in 1st Water Wells



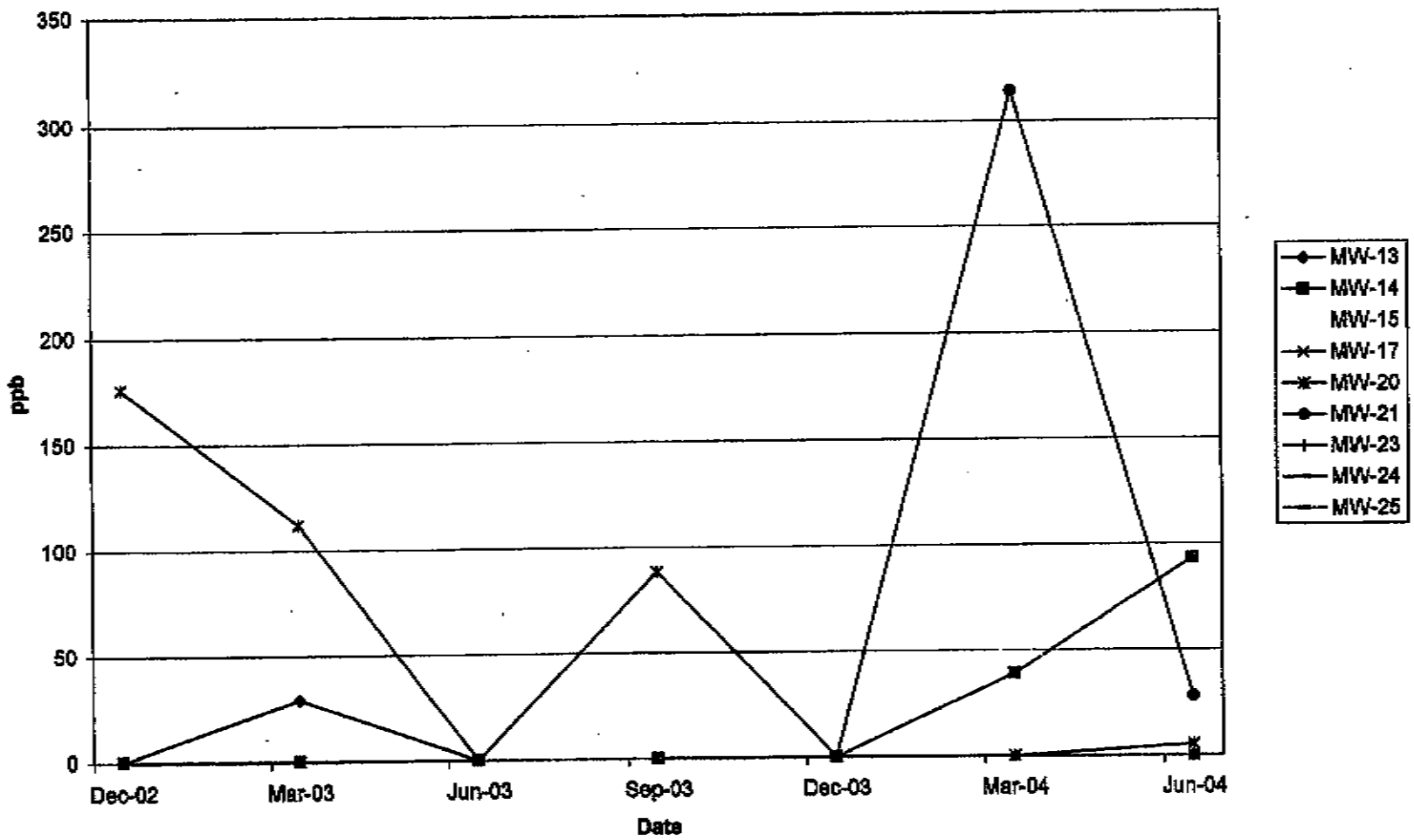
ANCHEM0698

Dissolved 1,4-Dioxane in 1st Water Wells
(excluding MW-9 and MW-16 for smaller scale)



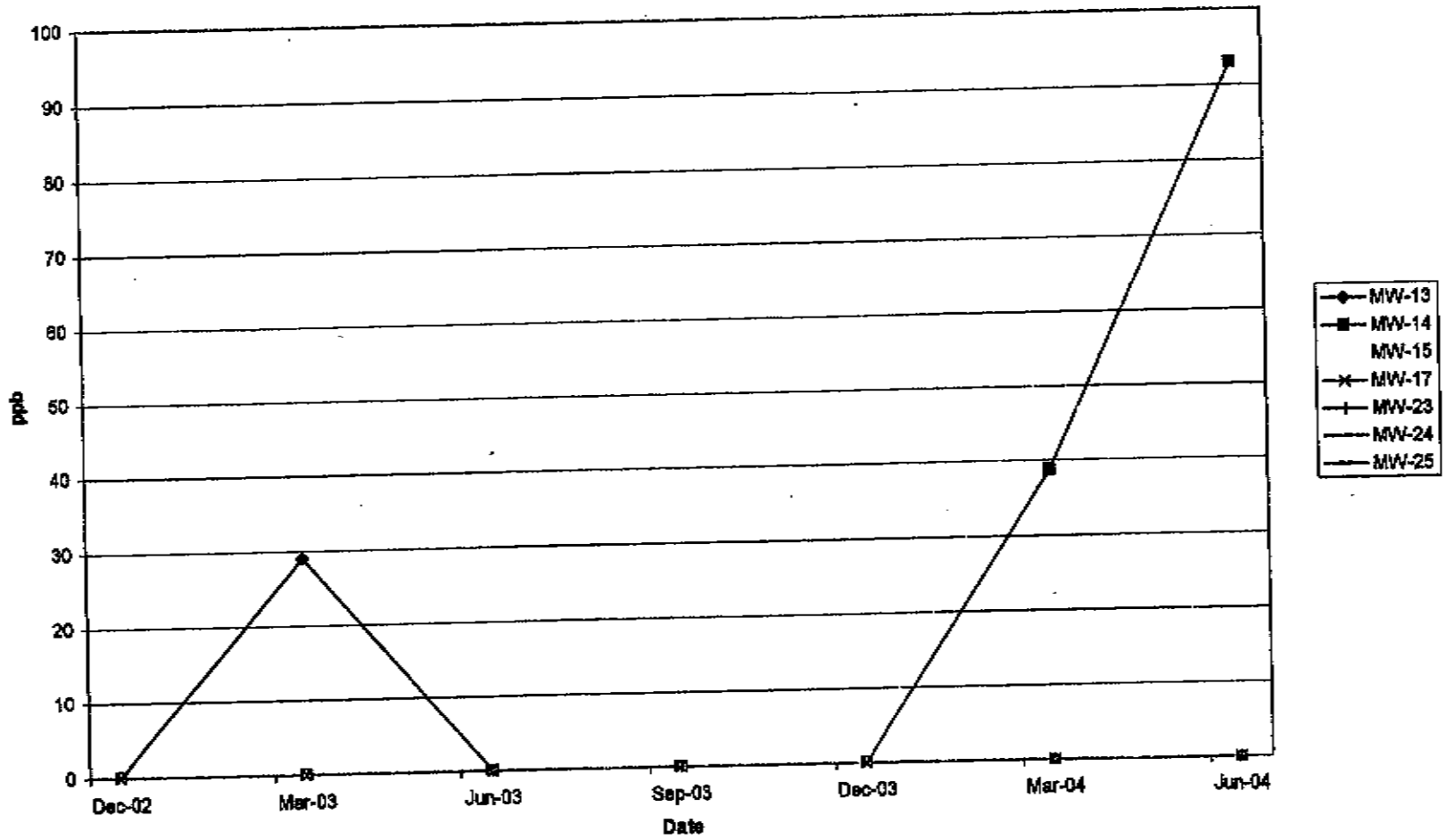
ANCHEM0689

Dissolved 1,4-Dioxane in A1 Wells

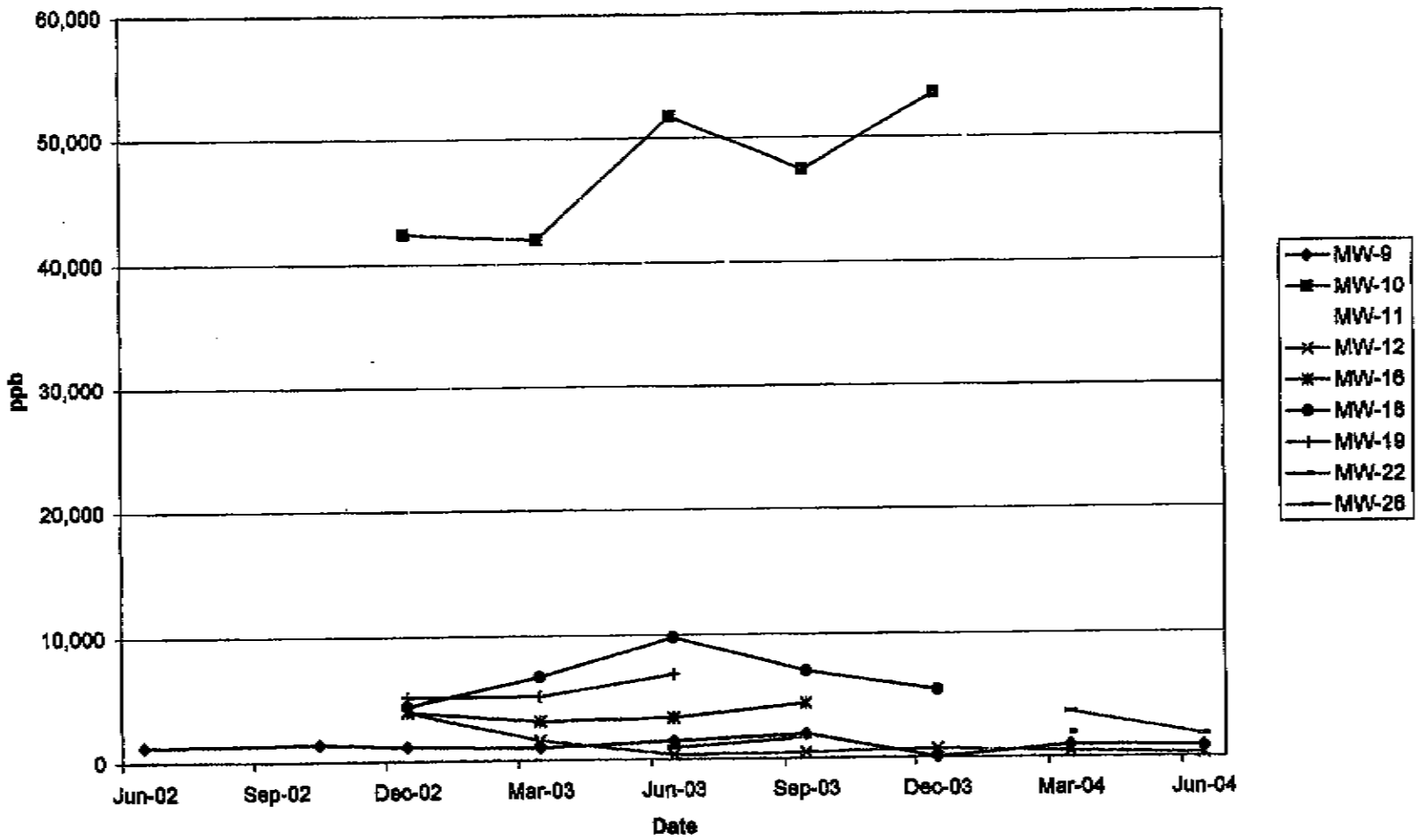


ANCHEM0690

Dissolved 1,4-Dioxane in A1 Wells
(excluding MW-20 and MW-21 for smaller scale)

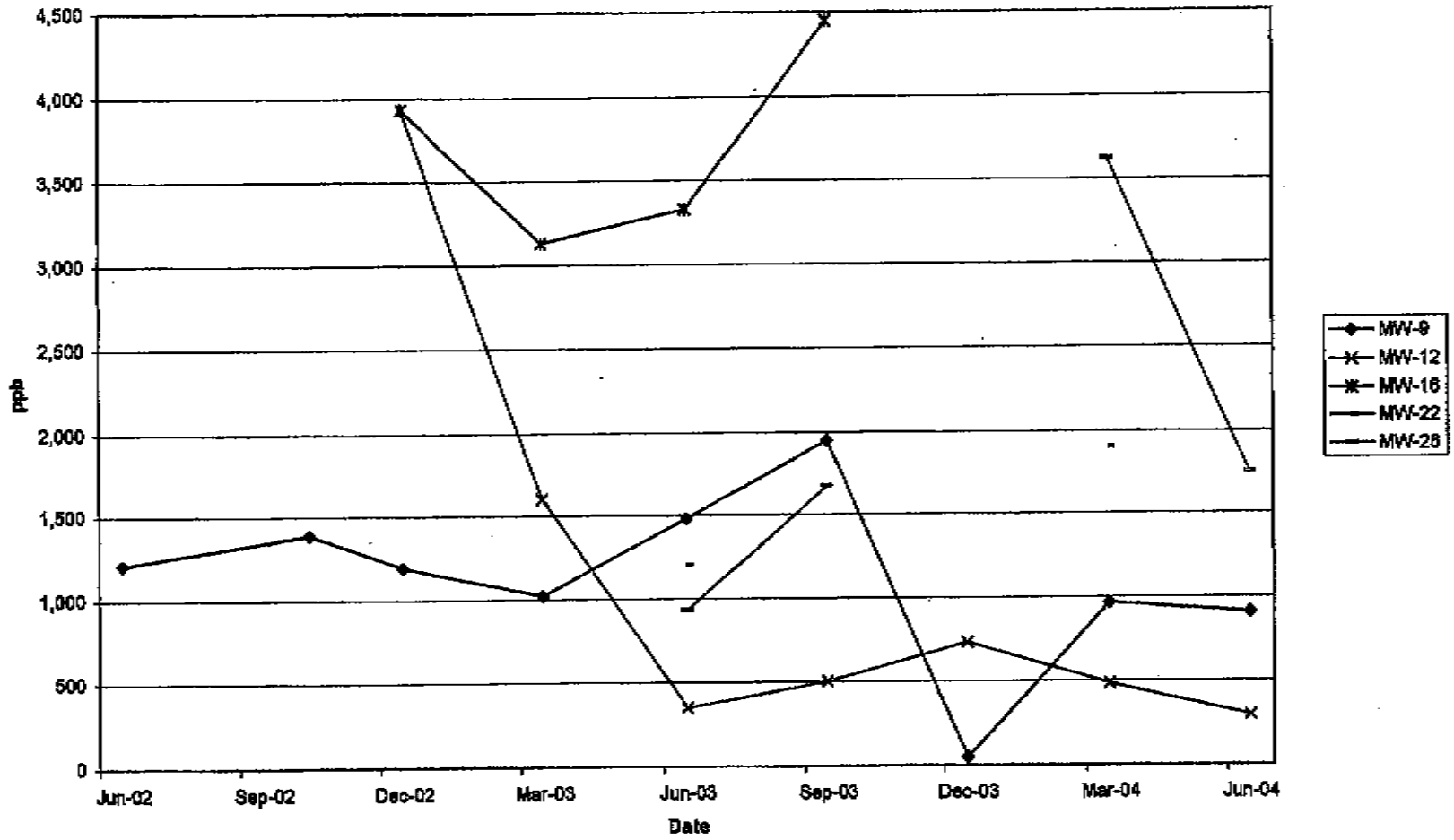


ANCHEM0691

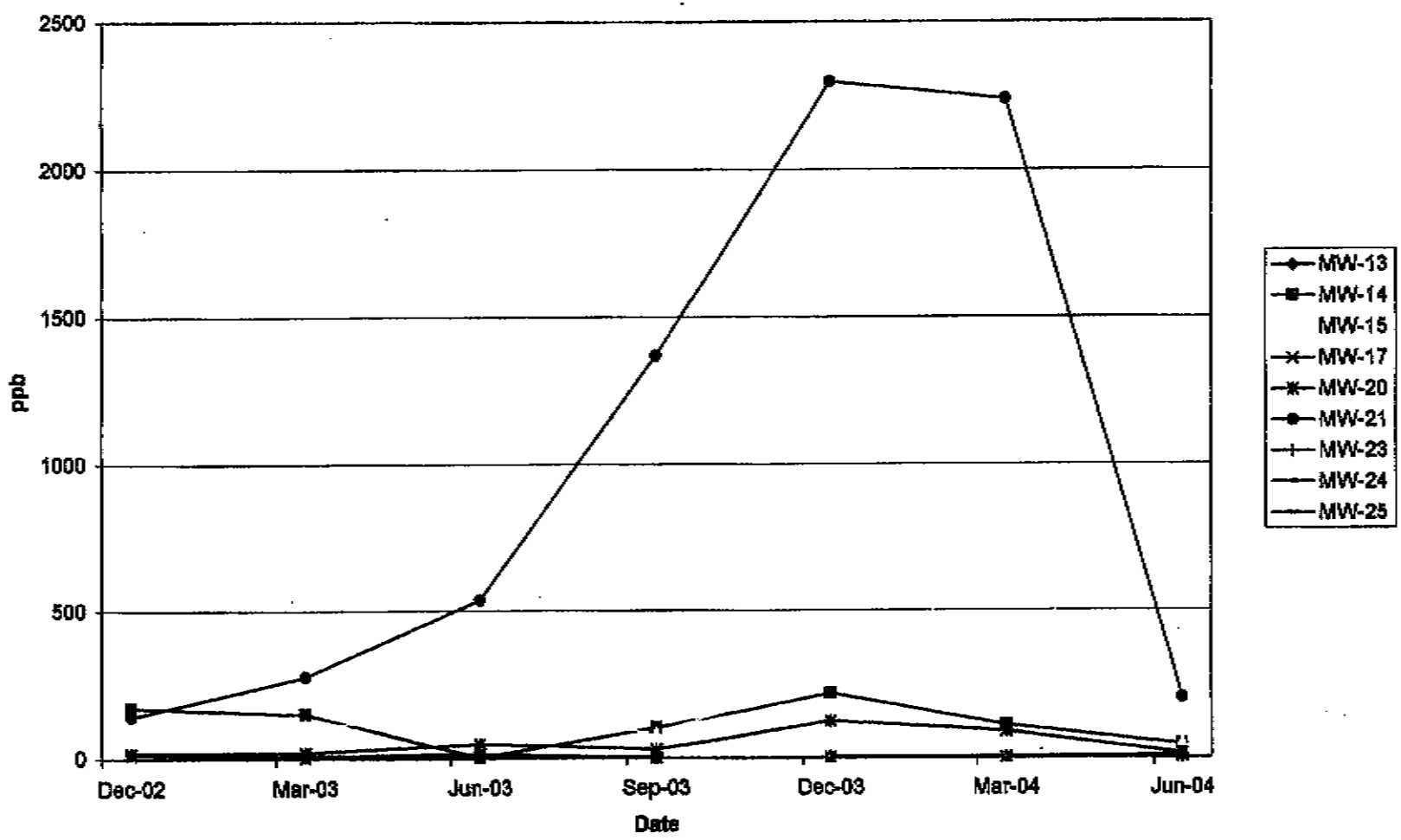

Dissolved 1,1-DCA in 1st Water Wells
60,000
50,000
40,000
30,000
20,000
10,000
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Date
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26

ANCHEM0692

Dissolved 1,1-DCA in 1st Water Wells
(excluding MW-10, MW-11, MW-18 and MW-19 for smaller scale)

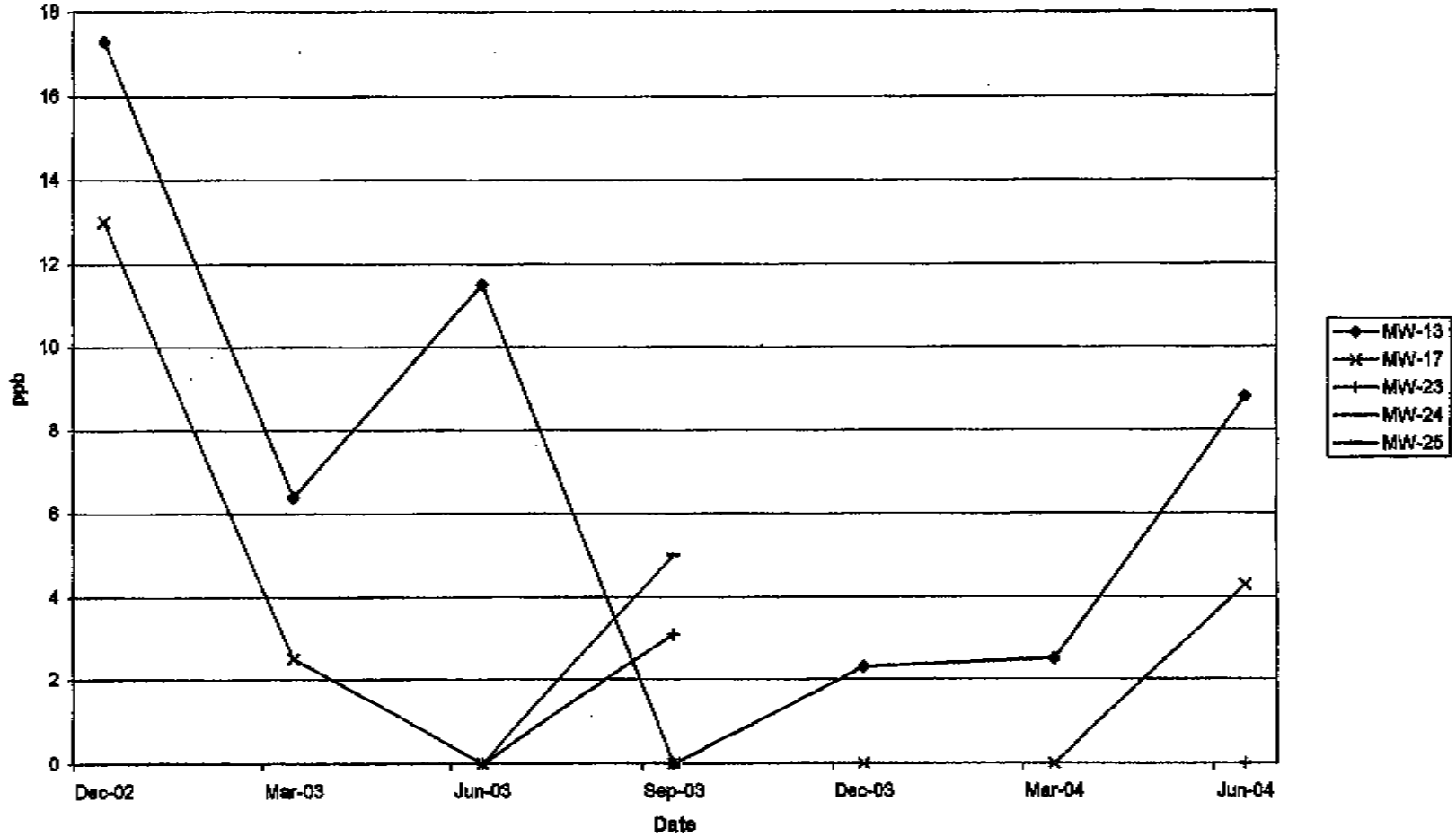


ANCHEM0653


Dissolved 1,1-DCA in A1 Wells
2500
2000
1500
1000
500
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

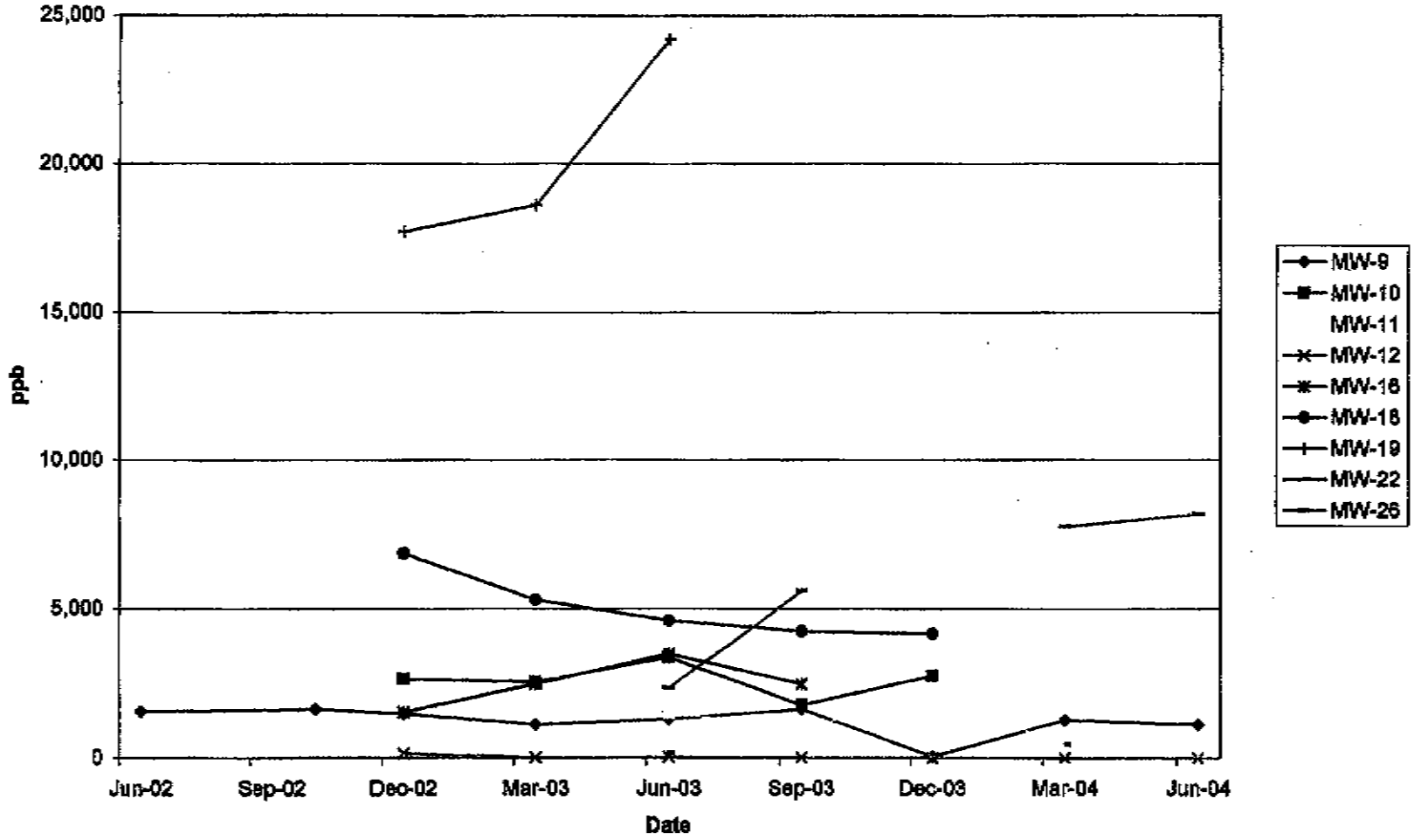
ANCHEM0694

Dissolved 1,1-DCA in A1 Wells
(excluding MW-14, MW-15, MW-20 and MW-21 for smaller scale)



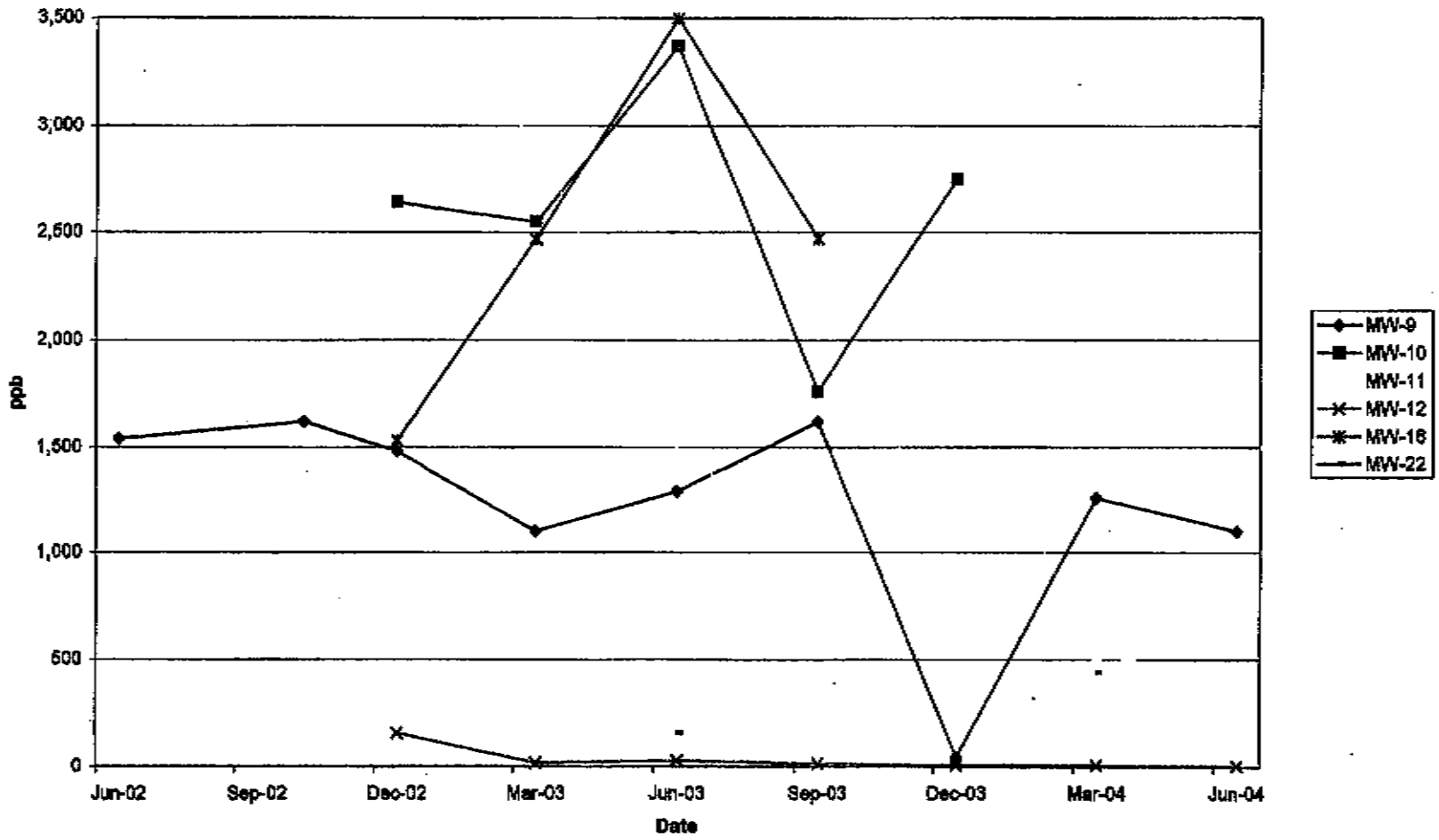
ANCHEM0695

Dissolved 1,1-DCE in 1st Water Wells

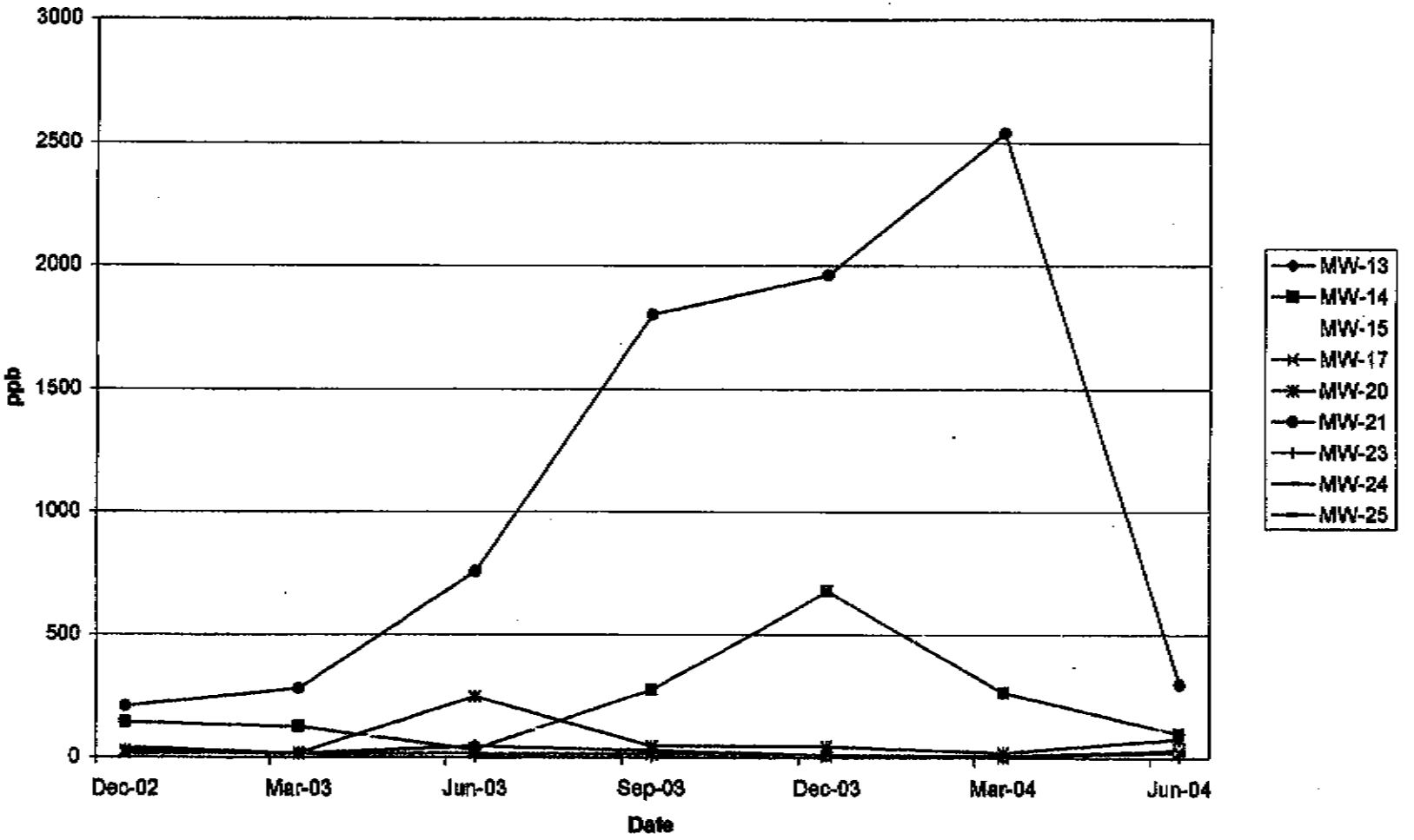


ANCHEM0696

Dissolved 1,1-DCE in 1st Water Wells
(excluding MW-18, MW-19 and MW-26 for smaller scale)

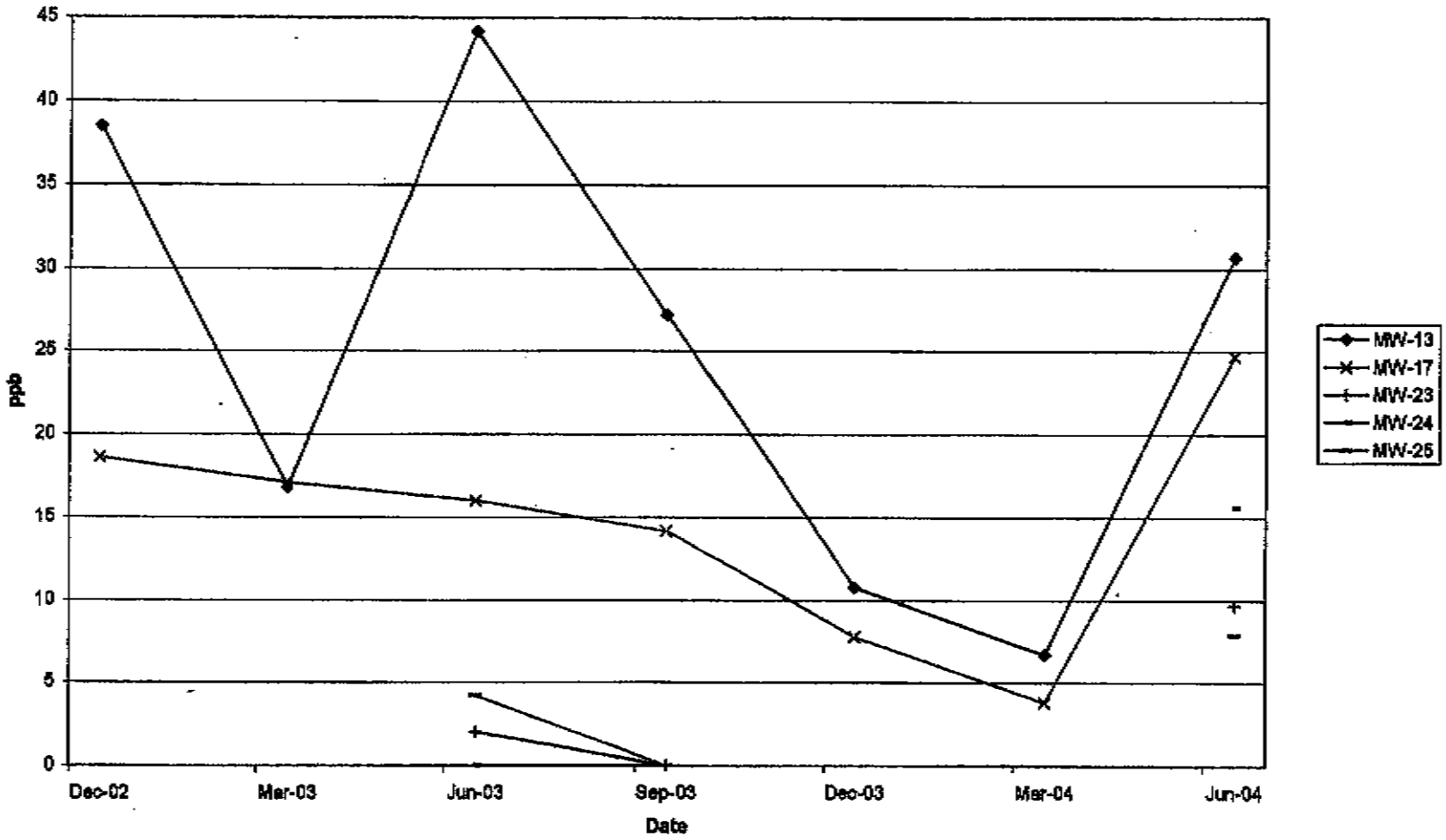


ANCHEM06.97


Dissolved 1,1-DCE in A1 Wells
3000
2500
2000
1500
1000
500
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

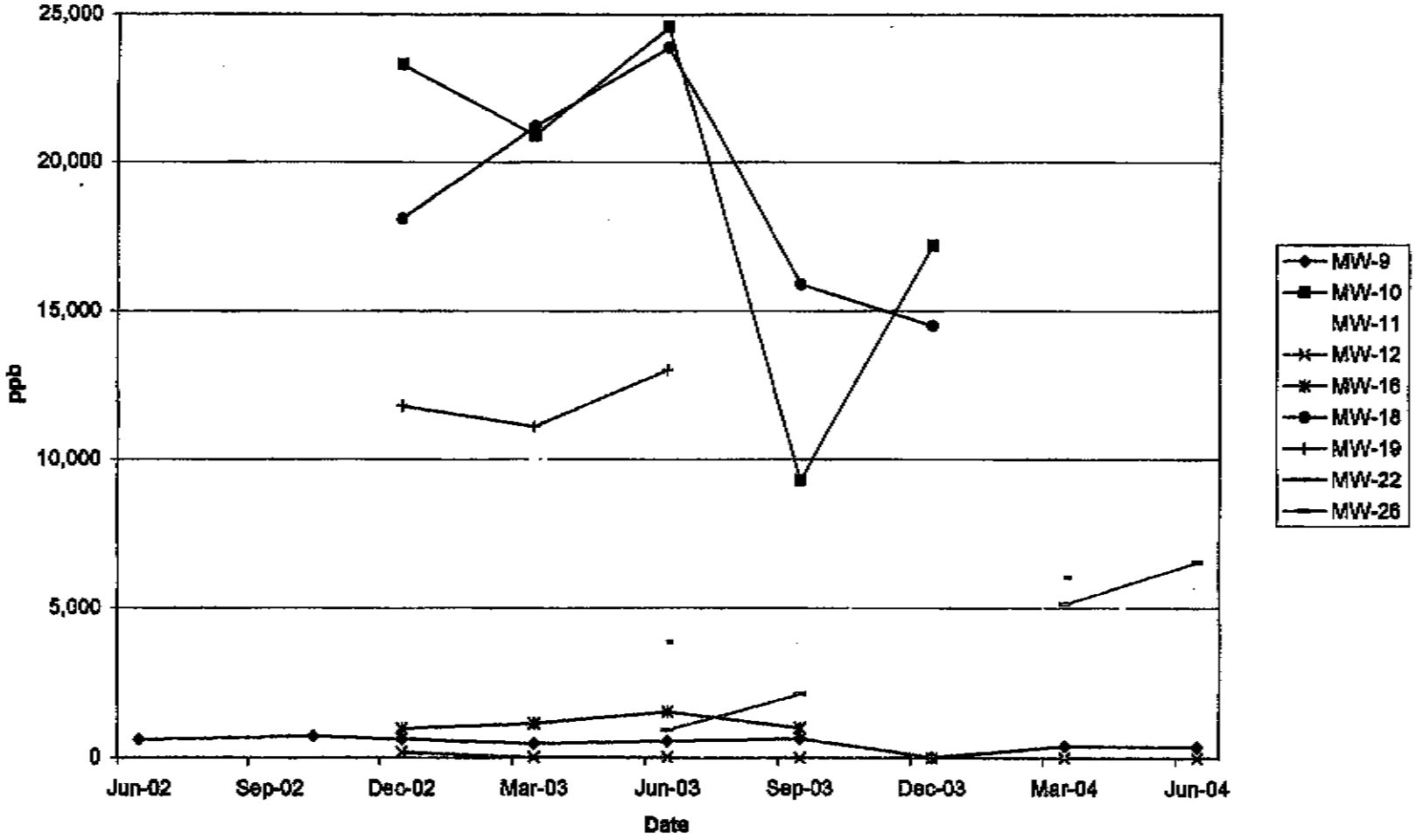
ANCHEM0598

Dissolved 1,1-DCE in A1 Wells
(excluding MW-14, MW-15, MW-20 and MW-21 for smaller scale)



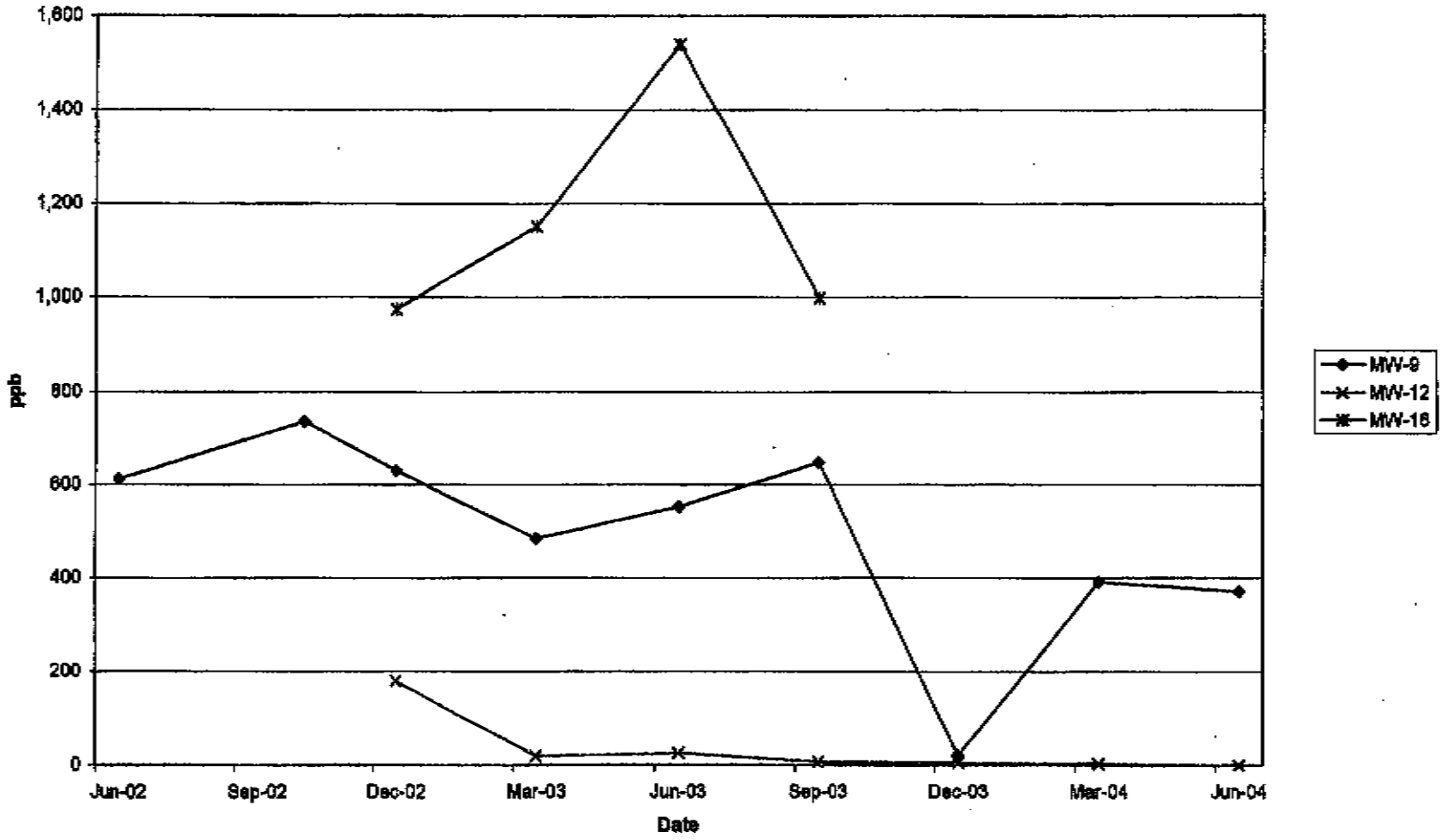
ANCHEM0599

Dissolved Cis-1,2-DCE In 1st Water Wells

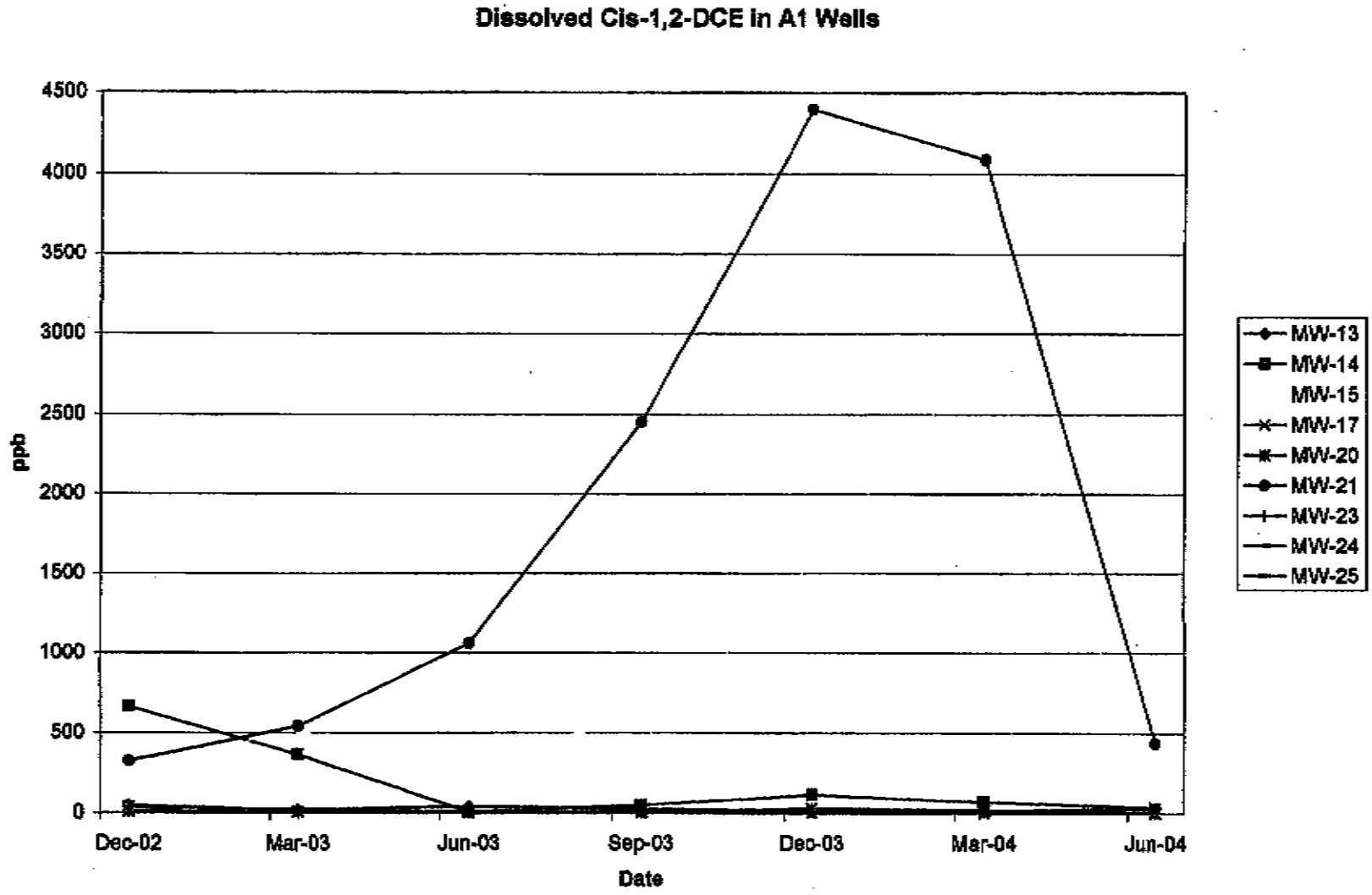


ANCHEM0700

Dissolved Cis-1,2-DCE in 1st Water Wells
(excluding MW-10, MW-11, MW-18, MW-19, MW-22 and MW-26 for smaller scale)

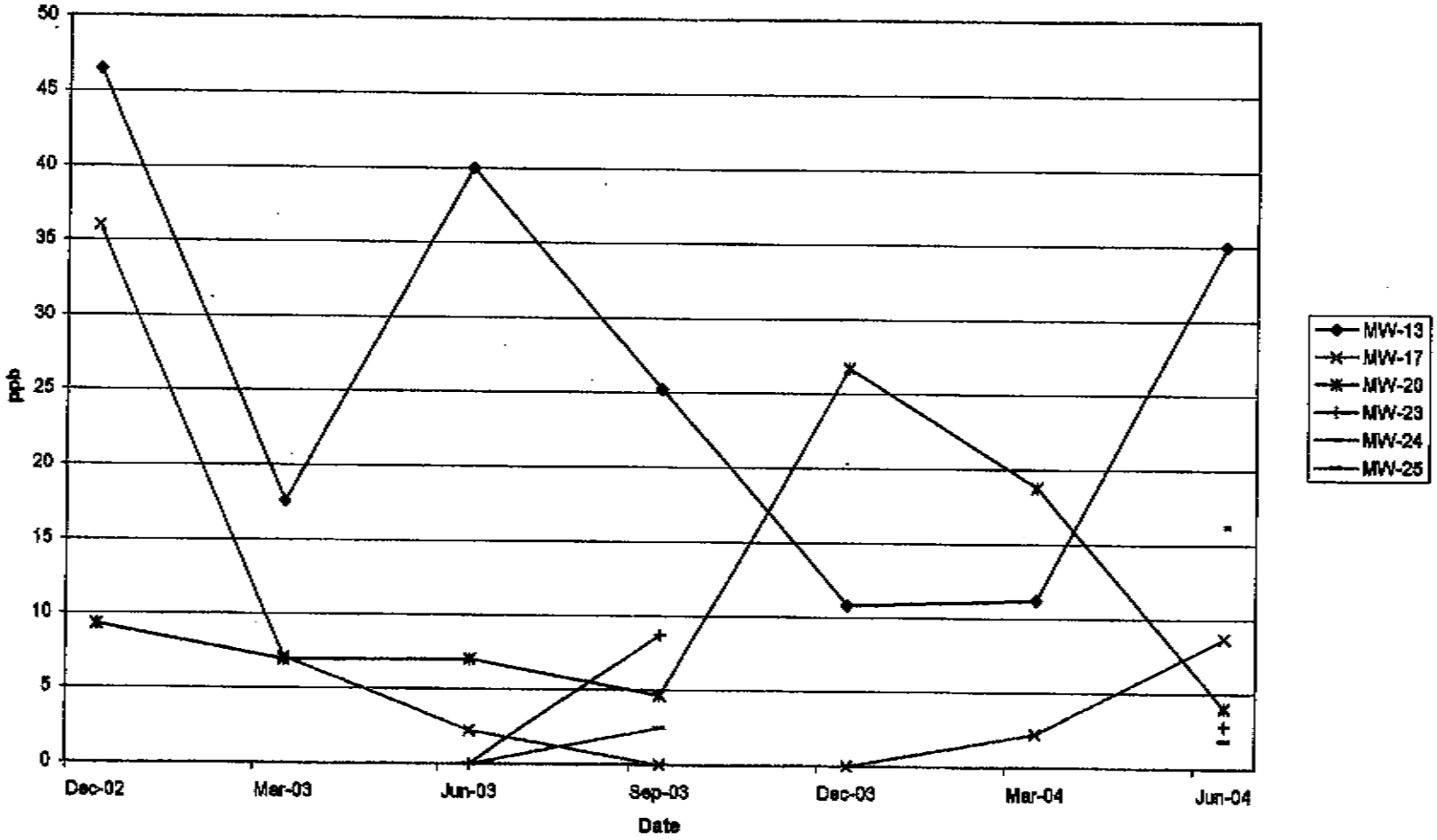


ANCHEM0701


Dissolved Cis-1,2-DCE in A1 Wells
4500
4000
3500
3000
2500
2000
1500
1000
500
0
ppb
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Date
MW-13
MW-14
MW-15
MW-17
MW-20
MW-21
MW-23
MW-24
MW-25

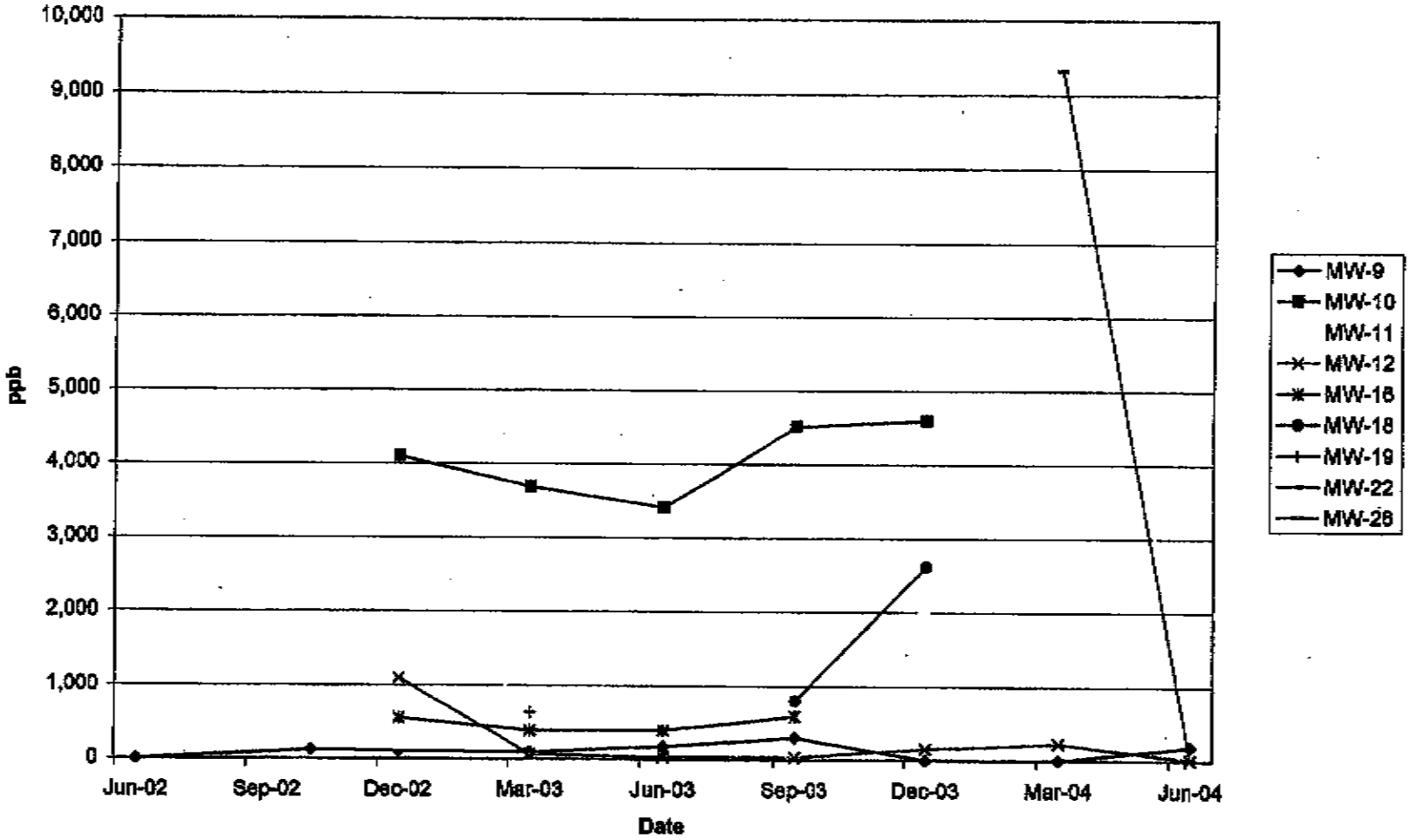
ANCHEM0702

Dissolved Cis-1,2-DCE in A1 Wells
(excluding MW-14, MW-15 and MW-21 for smaller scale)



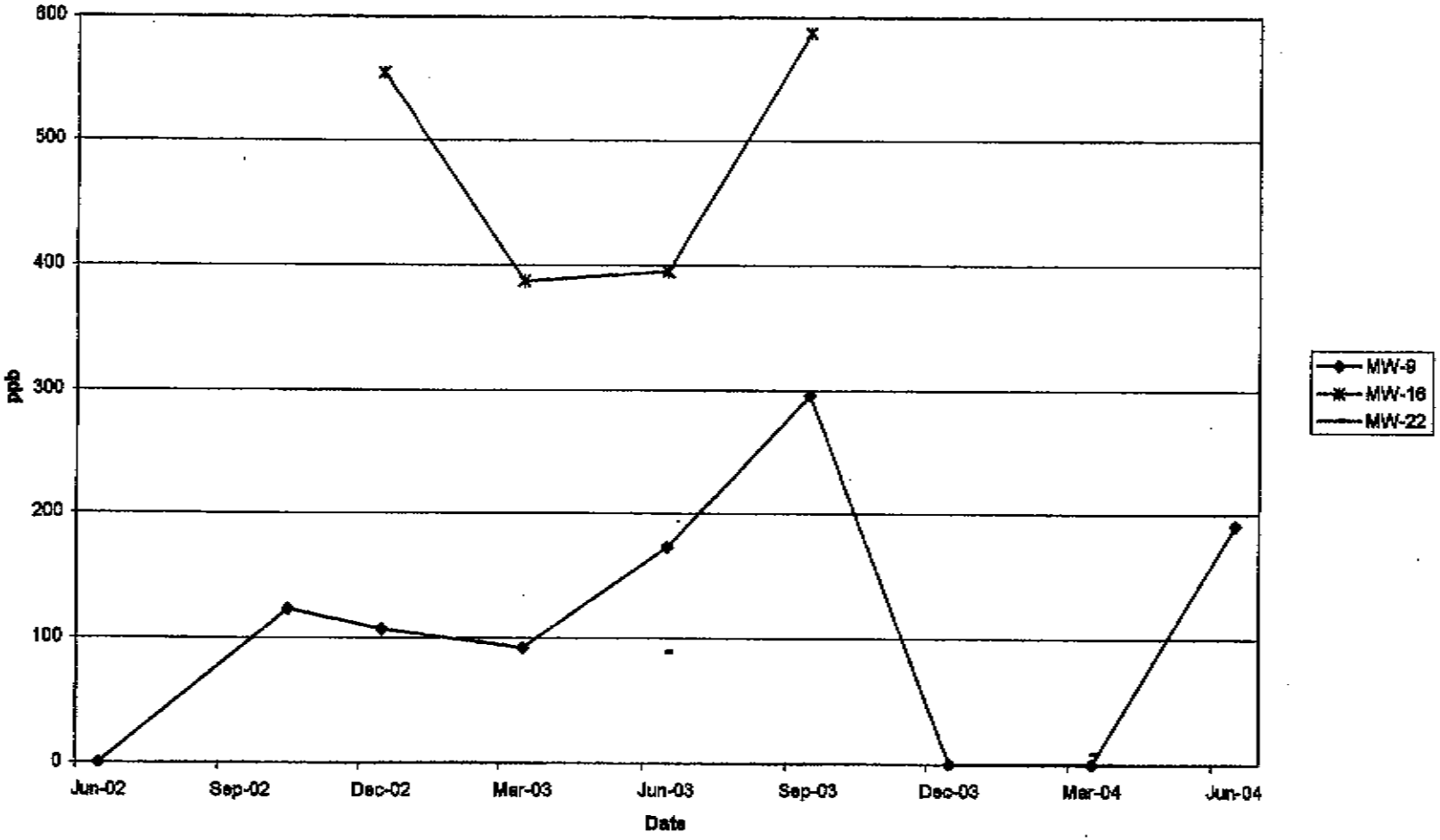
ANCHEM0703

Dissolved Vinyl Chloride in 1st Water



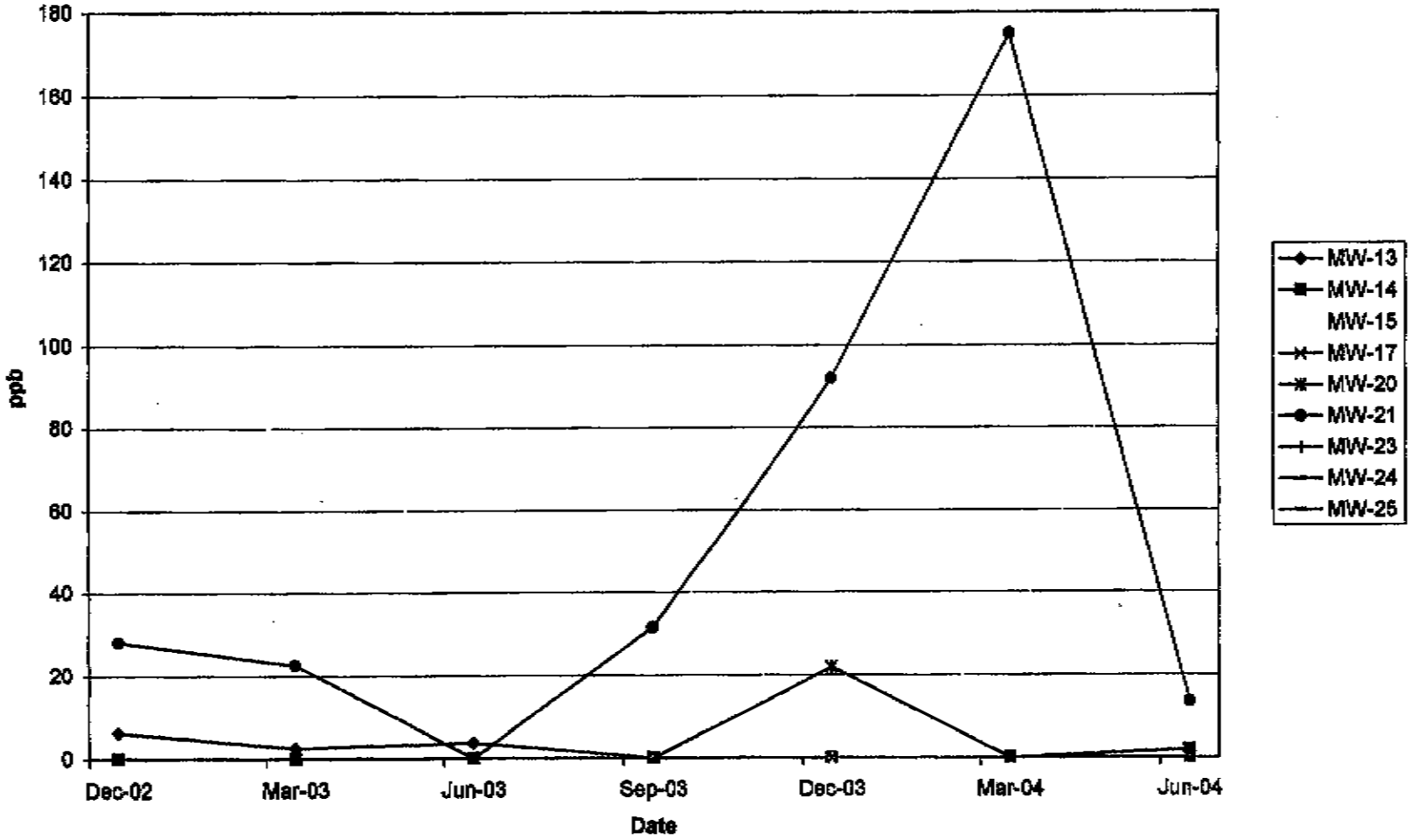
ANCHEM0704

Dissolved Vinyl Chloride in 1st Water
(excluding MW-10, MW-11, MW-12, MW-18, MW-19 and MW-26 for smaller scale)



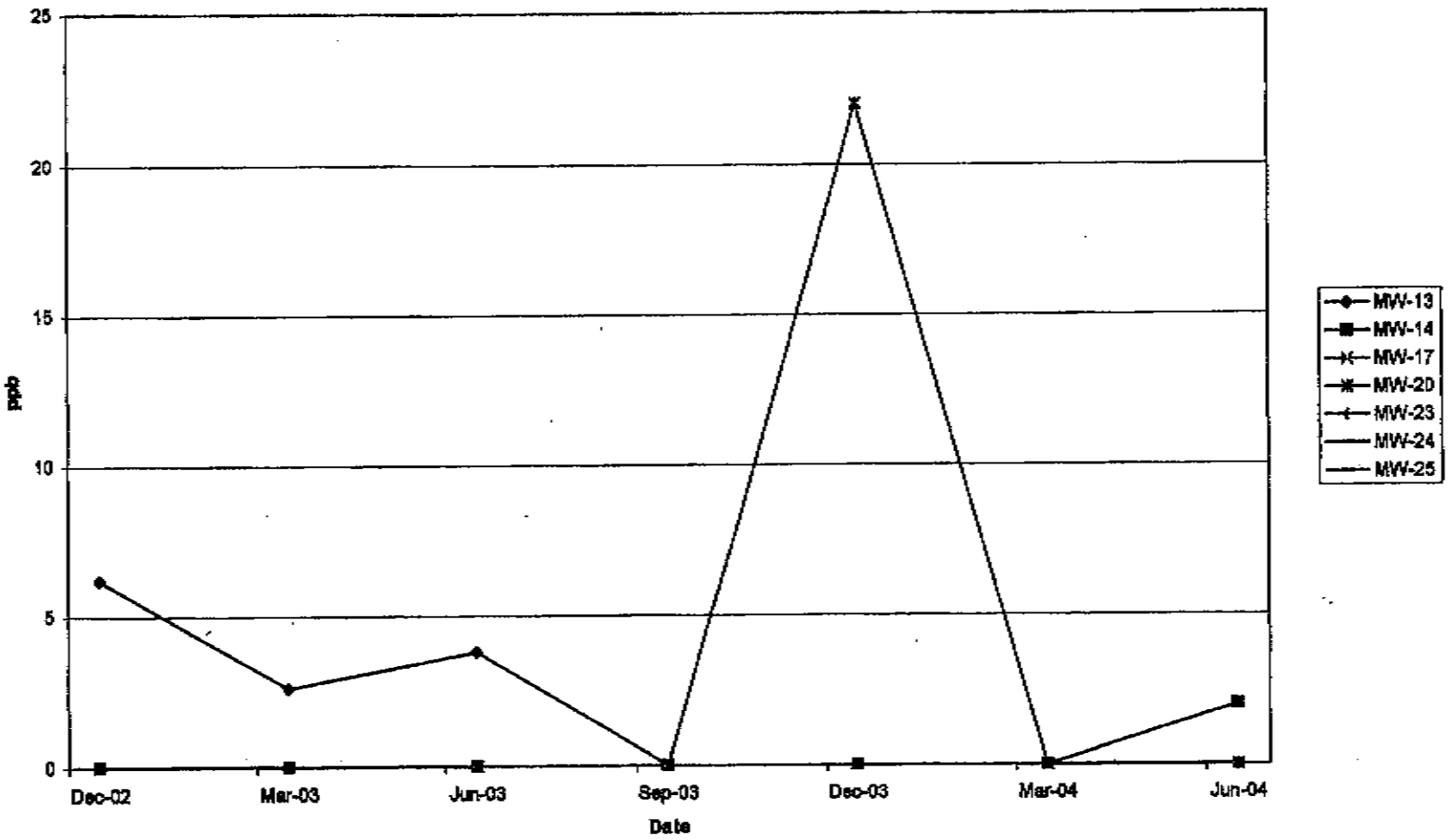
ANCHEM0705

Dissolved Vinyl Chloride in A1 Wells

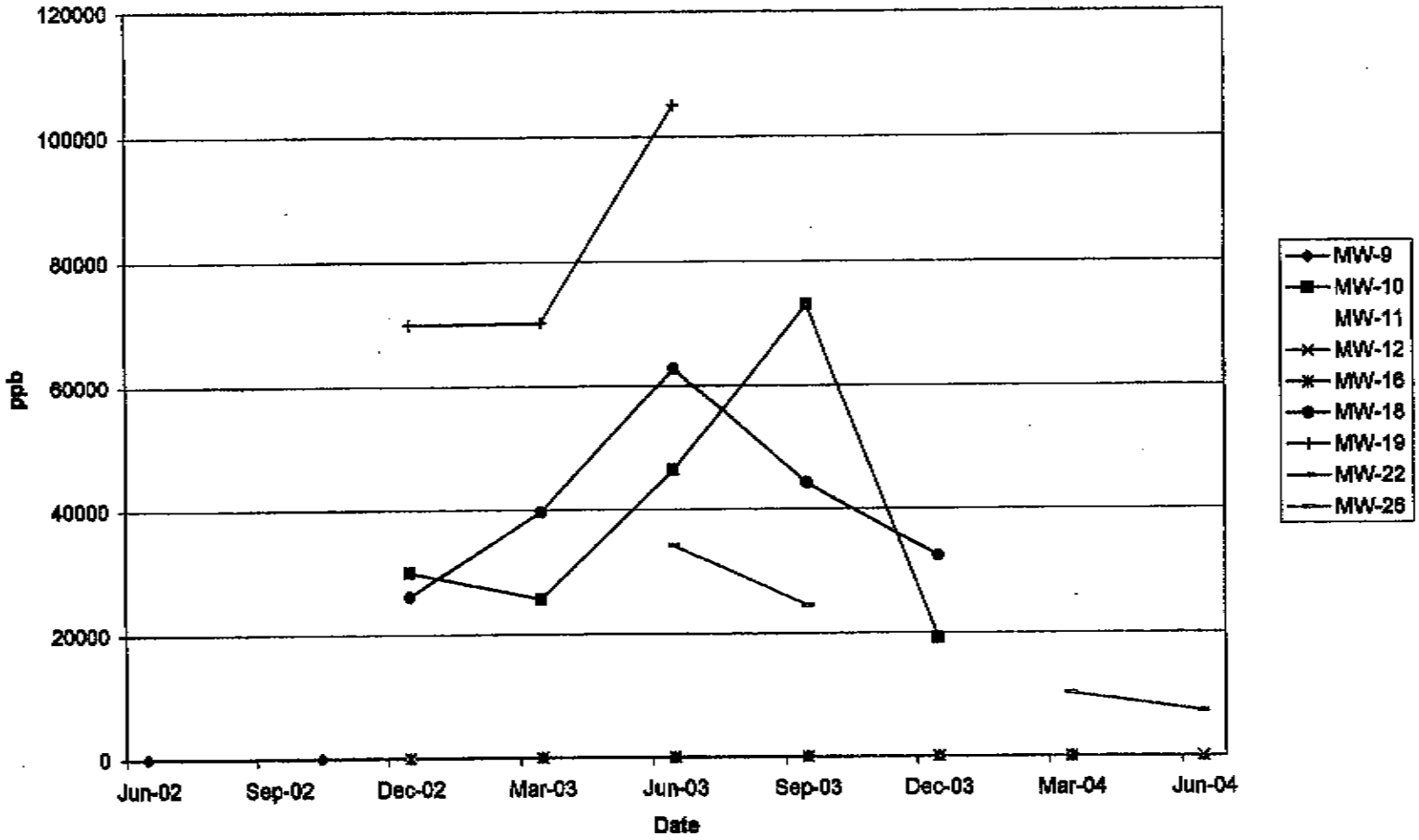


ANCHEM0705

Dissolved Vinyl Chloride in A1 Wells
(excluding MW-15 and MW-21 for smaller scale)

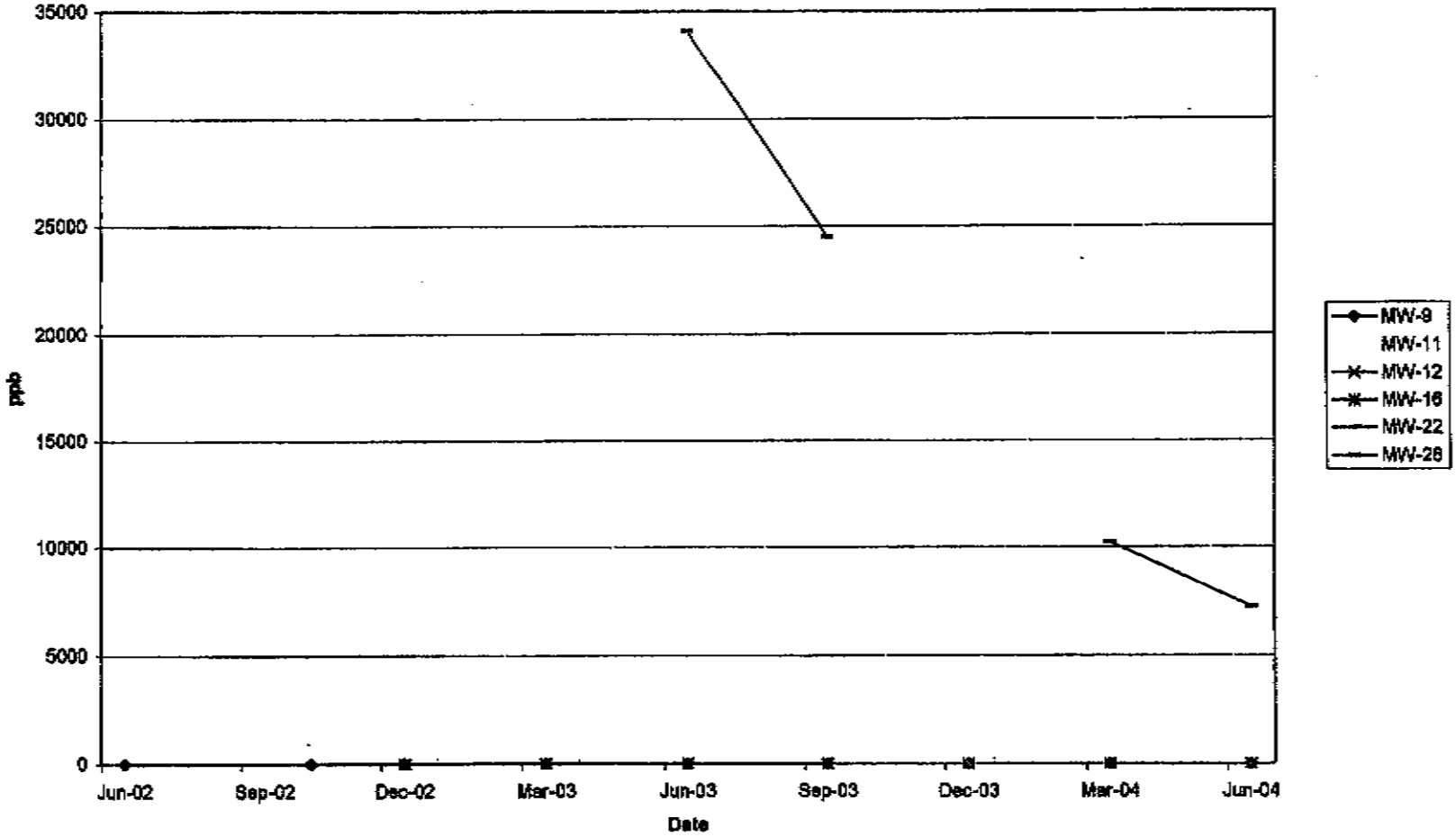


ANCHEM0707


Dissolved Acetone In 1st Water Wells
120000
100000
80000
60000
40000
20000
0
ppb
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Date
MW-9
MW-10
MW-11
MW-12
MW-16
MW-18
MW-19
MW-22
MW-26

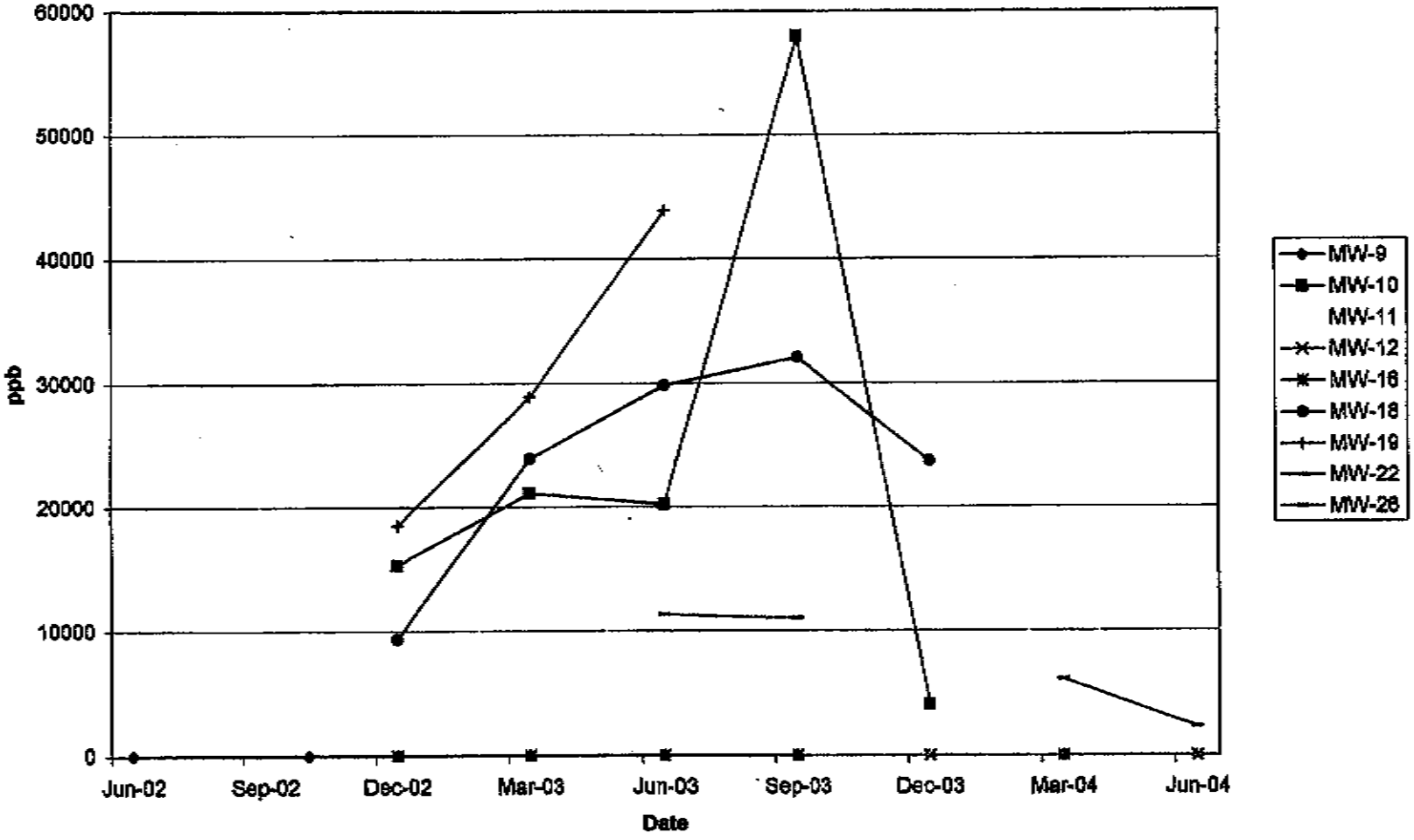
ANCHEM0708

Dissolved Acetone in 1st Water Wells
(excluding MW-10, MW-18 and MW-19 for smaller scale)



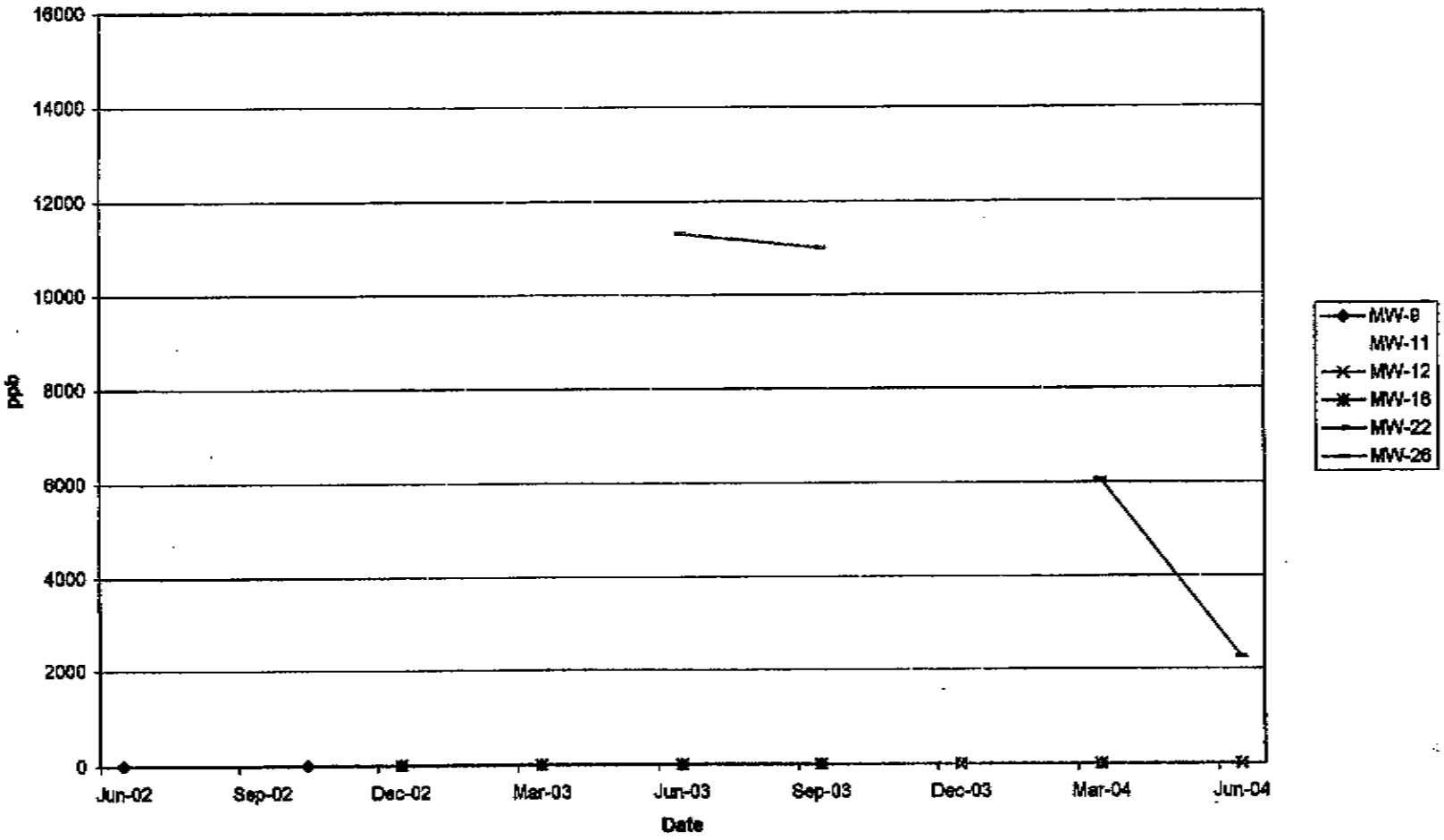
ANCHEM0709

Dissolved MEK In 1st Water Wells



ENCHEM0710

Dissolved MEK in 1st Water Wells
(excluding MW-10, MW-18 and MW-19 for smaller scale)



ANCHEM0711

SOUTHLAND TECHNICAL SERVICES, INC.

CHAIN OF CUSTODY RECORD

Lab Job Number BL 406103

Client: Blakely Environmental Investigations, Inc.

Address: 4359 Phelan Rd.; Phelan, CA 92371

Report Attention: Hiram Garcia | Phone: 760-868-8572 | Fax: 760-868-8573 | Sampled by: Blaine/LOSAB

Project Name/No.: Angeles | Project Site: Angeles Chemical Co., 8915 Sorensen

T.A.T. Requested: ☐ Rush 8 12 24 hours ☐ 2-3 days ☑ Normal

Sample Condition: ☑ Chilled ☑ Intact ☐ Sample seals

Client Sample ID	Lab Sample ID	Sample Collect Date	Sample Collect Time	Matrix Type	Sample Preserve	No.,type* & size of container	602/8021 (BTEX,MTBE)	8015M (Gasoline)	8015M (Diesel)	8260B (VOCs)	8260B (Oxygenates, BTEX)	8260B (MTBE Confirm.)	DOC, TOC, TDS	Chloride, Sulfate, Sulfide	Nitrate, Alkalinity, Ferrous Iron, Total Iron	Carbonates, Bicarbonates	Manganese, Ethane	8270 (to get 3ppm 1,4-Dioxane)	Remarks
MW-23 BL	406103-5	6.14.04	0840	water	HCl	2-VOAs				X									
MW-24	-6	"	0900							X									
MW-25	-7	"	0918							X									
MW-20	-4	"	1235		HCl H_2SO_4	2-VOAs 2-Amber 1pt		X		X			X	X	X	X	X	X	
MW-17	-3	"	1325			2-VOAs 2-amber, 1-poly		X		X			X	X	X	X	X	X	
MW-13	-2	"	1450			2 VOAs 2 amber poly		X		X			X	X	X	X	X	X	
MW-1	-1	"	1330		HCl	2 VOAs				X									
EB-1	-8	"	1516							X									
TB-1	-9	6.14.04	0700							X									

ANCHEM0713

Relinquished by	Company	Date	Time	Received by	Company
Wendy C. Brown	BEI	6.14.04	1620		SAS
Relinquished by	Company	Date	Time	Received by	Company

Container types: M=Metal Tube, A=Air Bag, P=Plastic bottle, G=Glass bottle, V=VOA vial

Southland Tech. Services, Inc.
7801 Telegraph Road, Suite L & K
Montebello, CA 90640
Tel: (323) 888-0728
Fax: (323) 888-1509

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client's expense.
Distribution: WHITE with report, PINK to courier.

Southland Technical Services, Inc.
Environmental Laboratories

07-12-2004

Mr. Hiram Garcia
Blakely Environmental Investigations, Inc.
4359 Phelan Road
Phelan, CA 92371

Project: Angeles Chemical Co.
Project Site: 8915 Sorensen Ave., Santa Fe Springs, CA
Sample Date: 06-14-2004
Lab Job No.: BL406103

Dear Mr. Garcia:

Enclosed please find the analytical report for the sample(s) received by STS Environmental Laboratories on 06-14-2004 and analyzed for the following parameters:

EPA 8015M (Gasoline)
EPA 8260B (VOCs by GC/MS)
EPA 160.1 (Total Dissolved Solids)
EPA 352.1 (Nitrate)
EPA 325.3 (Chloride)
EPA 375.4 (Sulfate)
EPA 376.1 (Sulfide)
EPA 7380 (Total Iron)
Ferrous Iron
Ethylene
EPA 7460 (Manganese)
EPA 310.1 (Alkalinity)
Standard Method 4500 (Carbonate & Bicarbonate)
EPA 415.1 (Total Organic Carbon, Dissolved Organic Carbon)
Modified EPA 8270C (1,4-Dioxane by GC/MS)

The sample(s) arrived in good conditions (i.e., chilled, intact) and with a chain of custody record attached.

Chloride, sulfide, Alkalinity,TDS, Carbonate & Bicarbonate analyses were subcontracted to Americhem Testing Laboratory. TOC & DOC analyses were subcontracted to Associated Laboratories. Their original reports are attached.

STS Environmental Laboratory is certified by CA DHS (Certificate Number 1986). Thank you for giving us the opportunity to serve you. Please feel free to call me at (323) 888-0728 if our laboratory can be of further service to you.

Sincerely,

Roger Wang, Ph. D.
Laboratory Director

Enclosures

ANCHEM0714

This cover letter is an integral part of this analytical report.

07-12-2004

Client:	Blakely Environmental Investigations, Inc.	Lab Job No.:	BL406103
Project:	Angeles Chemical Co.		
Project Site:	8915 Sorensen Ave., Santa Fe Springs, CA	Date Sampled:	06-14-2004
Matrix:	Water	Date Received:	06-14-2004

Analytical Test Results

Analyte	EPA Method	Date Analyzed	Reporting Unit	MW-13	MW-17	MW-20			Reporting Limit
Ethylene	GC/FID	06-15-04	ug/L	ND	ND	ND			5
TDS	160.1	06-16-04	mg/L	1,290	1,450	1,250			2
Nitrate	352.1	06-15-04	mg/L	18	28.7	25.6			0.01
Sulfate	375.4	06-15-04	mg/L	143	164	81.4			1.0
Total Iron	7380	06-15-04	mg/L	0.12	0.15	ND			0.1
Manganese	7460	06-15-04	mg/L	ND	ND	ND			0.05
Ferrous Iron	Colori-metry	06-15-04	mg/L	ND	ND	ND			0.05

ND: Not Detected (at the specified limit).

ANCHEM0715

Southland Technical Services, Inc.
Environmental Laboratories

07-12-2004

Client:	Blakely Environmental Investigations, Inc.	Lab Job No.:	BL406103
Project:	Angeles Chemical Co.		
Project Site:	8915 Sorensen Ave., Santa Fe Springs, CA	Date Sampled:	06-14-2004
Matrix:	Water	Date Received:	06-14-2004
Batch No.:	0616-BNA1	Date Analyzed:	06-16-2004

Modified EPA 8270C (1,4-Dioxane by GC/MS)
Reporting Units: µg/L (ppb)

Sample ID	Lab ID	1,4-Dioxane	Method Detection Limit	PQL
Method Blank		ND	2	3.0
MW-13	BL406103-2	ND	2	3.0
MW-17	BL406103-3	ND	2	3.0
MW-20	BL406103-4	5.3	2	3.0

ND: Not Detected (at the specified limit)

ANCHEM0716

Southland Technical Services, Inc.
Environmental Laboratories

07-12-2004

Client:	Blakely Environmental Investigations, Inc.	Lab Job No.:	BL406103
Project:	Angeles Chemical Co.		
Project Site:	8915 Sorensen Ave, Santa Fe Springs	Date Sampled:	06-14-2004
Matrix:	Water	Date Received:	06-14-2004
Batch No.:	AF14-GW1	Date Analyzed:	06-14-2004

EPA 8015M (Gasoline)
Reporting Units: µg/L (ppb)

Sample ID	Lab ID	Gasoline (C4-C12)	Method Detection Limit	PQL
Method Blank		ND	50	50
MW-13	BL406103-2	ND	50	50
MW-17	BL406103-3	ND	50	50
MW-20	BL406103-4	ND	50	50

ND: Not Detected (at the specified limit)

ANCHEM0717

Client: Blakely Environmental Investigations, Inc. Lab Job No.: BL406103 Date Reported: 07-12-2004
Project:Angeles Chemical Co. Matrix: Water Date Sampled: 06-14-2004

EPA 8260B (VOCs by GC/MS, Page 1 of 2) Reporting Unit: ppb

DATE ANALYZED			06-14	06-14-04	06-14-04	06-14-04	06-14-04	06-14-04	06-14-04
DILUTION FACTOR				1	1	1	1	1	1
LAB SAMPLE I.D.				BL406103-1	BL406103-2	BL406103-3	BL406103-4	BL406103-5	BL406103-6
CLIENT SAMPLE I.D.				MW-1	MW-13	MW-17	MW-20	MW-23	MW-24
COMPOUND	MDL	PQL	MB						
Dichlorodifluoromethane	2	5	ND	ND	ND	ND	ND	ND	ND
Chloromethane	2	5	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	1	2	ND	ND	ND	ND	ND	ND	ND
Bromomethane	2	5	ND	ND	ND	ND	ND	ND	ND
Chloroethane	2	5	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	2	5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	2	5	ND	23.7	30.7	24.7	78.1	9.7	15.6
Iodomethane	2	5	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	2	5	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	1	2	ND	4.4 J	8.8	4.3 J	12.8	ND	ND
2,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2	5	ND	7.8	35.0	8.7	4.0 J	2.8 J	16.2
Bromochloromethane	2	5	ND	ND	ND	ND	ND	ND	ND
Chloroform	2	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2	5	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2	5	ND	6.8	ND	7.4	3.4 J	3.4 J	ND
Carbon tetrachloride	2	5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND	ND
Benzene	1	1	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	2	2	ND	9.2	52.7	9.1	6.7	22.9	85.7
1,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	2	5	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	2	5	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	2	5	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	2	5	ND	ND	ND	ND	ND	ND	ND
Bromoform	2	5	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	2	5	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	2	5	ND	ND	ND	ND	ND	ND	ND

ANCHEM0718

Client: Blakely Environmental Investigations, Inc. Lab Job No.: BL406103 Date Reported: 07-12-2004
Project:Angeles Chemical Co. Matrix: Water Date Sampled: 06-14-2004

EPA 8260B (VOCs by GC/MS, Page 2 of 2) Reporting Unit: (ppb)

COMPOUND	MDL	PQL	MB	MW-1	MW-13	MW-17	MW-20	MW-23	MW-24
Toluene	1	1	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	2	2	ND	41.1	177	37.6	25.0	34.5	120
1,2-Dibromoethane(EDB)	2	5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethan	2	5	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	1	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	1	1	ND	ND	ND	ND	ND	ND	ND
Styrene	2	5	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethan	2	5	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	2	5	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	2	5	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND	ND
Sec-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	2	5	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	2	5	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	2	5	ND	ND	ND	ND	ND	ND	ND
Naphthalene	2	5	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
Acetone	5	25	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	5	25	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	5	25	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	5	25	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	5	25	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	5	25	ND	ND	ND	ND	ND	ND	ND
MTBE	2	2	ND	ND	ND	ND	ND	ND	ND
ETBE	2	2	ND	ND	ND	ND	ND	ND	ND
DIPE	2	2	ND	ND	ND	ND	ND	ND	ND
TAME	2	2	ND	ND	ND	ND	ND	ND	ND
T-Butyl Alcohol	10	10	ND	ND	ND	ND	ND	ND	ND

MDL=Method Detection Limit; MB=Method Blank; ND=Not Detected (below DF × MDL), j=trace concentration.

ANCHEM0719

Southland Technical Services, Inc.
Environmental Laboratories

Client: Blakely Environmental Investigations, Inc. Lab Job No.: BL406103 Date Reported: 07-12-2004
Project:Angeles Chemical Co. Matrix: Water Date Sampled: 06-14-2004

EPA 8260B (VOCs by GC/MS, Page 1 of 2) Reporting Unit: ppb

DATE ANALYZED			06-14	06-14-04	06-14-04	06-14-04			
DILUTION FACTOR									
LAB SAMPLE I.D.				BL406103-7	BL406103-8	BL406103-9			
CLIENT SAMPLE I.D.				MW-25	EB-1	TB-1			
COMPOUND	MDL	PQL	MB						
Dichlorodifluoromethane	2	5	ND	ND	ND	ND			
Chloromethane	2	5	ND	ND	ND	ND			
Vinyl Chloride	1	2	ND	ND	ND	ND			
Bromomethane	2	5	ND	ND	ND	ND			
Chloroethane	2	5	ND	ND	ND	ND			
Trichlorofluoromethane	2	5	ND	9.6	ND	ND			
1,1-Dichloroethene	2	5	ND	7.9	ND	ND			
Iodomethane	2	5	ND	ND	ND	ND			
Methylene Chloride	2	5	ND	ND	ND	ND			
trans-1,2-Dichloroethene	2	5	ND	ND	ND	ND			
1,1-Dichloroethane	1	2	ND	ND	ND	ND			
2,2-Dichloropropane	2	5	ND	ND	ND	ND			
cis-1,2-Dichloroethene	2	5	ND	1.8	ND	ND			
Bromochloromethane	2	5	ND	ND	ND	ND			
Chloroform	2	5	ND	ND	ND	ND			
1,2-Dichloroethane	2	5	ND	ND	ND	ND			
1,1,1-Trichloroethane	2	5	ND	ND	ND	ND			
Carbon tetrachloride	2	5	ND	ND	ND	ND			
1,1-Dichloropropene	2	5	ND	ND	ND	ND			
Benzene	1	1	ND	ND	ND	ND			
Trichloroethene	2	2	ND	42.9	ND	ND			
1,2-Dichloropropane	2	5	ND	ND	ND	ND			
Bromodichloromethane	2	5	ND	ND	ND	ND			
Dibromomethane	2	5	ND	ND	ND	ND			
trans-1,3-Dichloropropene	2	5	ND	ND	ND	ND			
cis-1,3-Dichloropropene	2	5	ND	ND	ND	ND			
1,1,2-Trichloroethane	2	5	ND	ND	ND	ND			
1,3-Dichloropropane	2	5	ND	ND	ND	ND			
Dibromochloromethane	2	5	ND	ND	ND	ND			
2-Chloroethylvinyl ether	2	5	ND	ND	ND	ND			
Bromoform	2	5	ND	ND	ND	ND			
Isopropylbenzene	2	5	ND	ND	ND	ND			
Bromobenzene	2	5	ND	ND	ND	ND			

ANCHEM0720

Client: Blakely Environmental Investigations, Inc. Lab Job No.: BL406103 Date Reported: 07-12-2004
Project:Angeles Chemical Co. Matrix: Water Date Sampled: 06-14-2004

EPA 8260B (VOCs by GC/MS, Page 2 of 2) Reporting Unit: (ppb)

COMPOUND	MDL	PQL	MB	MW-25	EB-1	TB-1			
Toluene	1	1	ND	ND	ND	ND			
Tetrachloroethene	2	2	ND	31.7	ND	ND			
1,2-Dibromoethane(EDB)	2	5	ND	ND	ND	ND			
Chlorobenzene	2	5	ND	ND	ND	ND			
1,1,1,2-Tetrachloroethan	2	5	ND	ND	ND	ND			
Ethylbenzene	1	1	ND	ND	ND	ND			
Total Xylenes	1	1	ND	ND	ND	ND			
Styrene	2	5	ND	ND	ND	ND			
1,1,2,2-Tetrachloroethan	2	5	ND	ND	ND	ND			
1,2,3-Trichloropropane	2	5	ND	ND	ND	ND			
n-Propylbenzene	2	5	ND	ND	ND	ND			
2-Chlorotoluene	2	5	ND	ND	ND	ND			
4-Chlorotoluene	2	5	ND	ND	ND	ND			
1,3,5-Trimethylbenzene	2	5	ND	ND	ND	ND			
tert-Butylbenzene	2	5	ND	ND	ND	ND			
1,2,4-Trimethylbenzene	2	5	ND	ND	ND	ND			
Sec-Butylbenzene	2	5	ND	ND	ND	ND			
1,3-Dichlorobenzene	2	5	ND	ND	ND	ND			
p-Isopropyltoluene	2	5	ND	ND	ND	ND			
1,4-Dichlorobenzene	2	5	ND	ND	ND	ND			
1,2-Dichlorobenzene	2	5	ND	ND	ND	ND			
n-Butylbenzene	2	5	ND	ND	ND	ND			
1,2,4-Trichlorobenzene	2	5	ND	ND	ND	ND			
1,2-Dibromo-3-Chloropropane	2	5	ND	ND	ND	ND			
Hexachlorobutadiene	2	5	ND	ND	ND	ND			
Naphthalene	2	5	ND	ND	ND	ND			
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND			
Acetone	5	25	ND	ND	ND	ND			
2-Butanone (MEK)	5	25	ND	ND	ND	ND			
Carbon disulfide	5	25	ND	ND	ND	ND			
4-Methyl-2-pentanone	5	25	ND	ND	ND	ND			
2-Hexanone	5	25	ND	ND	ND	ND			
Vinyl Acetate	5	25	ND	ND	ND	ND			
MTBE	2	2	ND	ND	ND	ND			
ETBE	2	2	ND	ND	ND	ND			
DIPE	2	2	ND	ND	ND	ND			
TAME	2	2	ND	ND	ND	ND			
T-Butyl Alcohol	10	10	ND	ND	ND	ND			

MDL=Method Detection Limit; MB=Method Blank; ND=Not Detected (below DF × MDL), j=trace concentration.

ANCHEM0721

07-12-2004

Modified EPA 8270C (1,4-Dioxane by GC/MS)
Batch QA/QC Report

Client:	Blakely Environmental Investigations, Inc.	Lab Job No.:	BL406103
Project:	Angeles Chemical Co.		
Matrix:	Water	Lab Sample ID:	ST40616-1
Batch No.:	0616-BNA	Date Analyzed:	06-16-2004

LCS/LCSD Result
Unit: ppb

Analyte	Sample Conc.	Spike Conc.	LCS	LCSD	LCS %Rec.	LCSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
1,4-Dioxane	ND	10.0	10.2	11.0	102.0	110.0	7.5	30	70-130

ND:Not Detected

ANCHEM0722

07-12-2004

EPA 8015M (TPH)
Batch QA/QC Report

Client:	Blakely Environmental Investigations, Inc.	Lab Job No.:	BL406103
Project:	Angeles Chemical Co.		
Matrix:	Water	Lab Sample ID:	BL406103-5
Batch No:	AF14-GW1	Date Analyzed:	06-14-2004

I. MS/MSD Report
Unit: ppb

Analyte	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
TPH-G	ND	1000	1,050	1,080	105.0	108.0	2.8	30	70-130

II. LCS Result
Unit: ppb

Analyte	LCS Report Value	True Value	Rec.%	Accept. Limit
TPH-G	929	1000	92.9	80-120

ND: Not Detected (at the specified limit)

ANCHEM0723

Southland Technical Services, Inc.
Environmental Laboratories

07-12-2004

EPA 8260B
Batch QA/QC Report

Client:	Blakely Environmental Investigations, Inc.	Lab Job No.:	BL406103
Project:	Angeles Chemical Co.		
Matrix:	Water	Lab Sample ID:	ST406014-1
Batch No:	0614-VOAW	Date Analyzed:	06-14-2004

I. MS/MSD Report
Unit: ppb

Compound	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
1,1-Dichloroethene	ND	20	20.1	21.9	100.5	109.5	8.6	30	70-130
Benzene	ND	20	19.6	19.8	98.0	99.0	1.0	30	70-130
Trichloro-ethene	ND	20	14.7	15.1	73.5	75.5	2.7	30	70-130
Toluene	ND	20	17.2	18.5	86.0	92.5	7.3	30	70-130
Chlorobenzene	ND	20	15.3	15.8	76.5	79.0	3.2	30	70-130

II. LCS Result
Unit: ppb

Analyte	LCS Value	True Value	Rec.%	Accept. Limit
1,1-Dichloroethene	21.5	20.0	107.5	80-120
Benzene	21.6	20.0	108.0	80-120
Trichloro-ethene	21.7	20.0	108.5	80-120
Toluene	19.8	20.0	99.0	80-120
Chlorobenzene	18.3	20.0	91.5	80-120

ND: Not Detected.

ANCHEM0724

07-12-2004

Ethylene by GC/FID
Batch QA/QC Report

Client:	Blakely Environmental Investigations, Inc.	Lab Job No.:	BL406103
Project:	Angeles Chemical Co.		
Matrix:	Water	Lab Sample ID:	BL406110-4
Batch No.:	FF15E	Date Analyzed:	06-15-2004

I. Sample/Sample Dup Report
Reporting Units: µg/L

Analyte	MB	Sample Conc.	Sample Duplicate	% RPD	%RPD Accept. Limit
Ethylene	ND	174	197	12.4	30

II. LCS Result
Reporting Units: µg/L

Analyte	LCS Report Value	True Value	Rec.%	Accept. Limi
Ethylene	4170	4170	100.0	80-120

ND: Not Detected.

ANCHEM0725

SOUTHLAND TECHNICAL SERVICES, INC.

CHAIN OF CUSTODY RECORD

Lab Job Number BL406110

Client: Blakely Environmental Investigations, Inc.

Address: 4359 Phelan Rd., Phelan, CA 92371

Report Attention: Hiram Garcia | Phone: 760 868 8572 | Fax: 760 868 8573 | Sampled by: Blaine/WSAB

Project Name/No.: Angeles | Project Site: Angelos Chemical Co. 8915 Sorensen Ave

T.A.T. Requested: ☐ Rush 8 12 24 hours ☐ 2-3 days ☒ Normal

Sample Condition: ☒ Chilled ☒ Intact ☐ Sample seals

Client Sample ID	Lab Sample ID	Sample Collect Date	Sample Collect Time	Matrix Type	Sample Preserve	No., type* & size of container	602/8021 (BTEX,MTBE)	8015M (Gasoline)	8015M (Diesel)	8260B (VOCs)	8260B (Oxygenates, BTEX)	8260B (MTBE Confirm.)	DOC, TOC, TDS	Chloride, Sulfate, Sulfide	Nitrate, Alkalinity, Ferrous Iron, Total Iron	Carbonates, Bicarbonates	Manganese, Ethene	8270 (1,4-Dioxane)	Remarks
TB-2	BL406110-9	6.15.04	0730	water	HCl	2 VOAs				X									
MW-14	-5		0825		HCl H2SO4	3 VOAs 2 amber 1 poly		X		X			X	X	X	X	X	X	
MW-15	-6		0910		"	"		X		X			X	X	X	X	X	X	
MW-2	-1		0940		HCl	3 VOAs				X									
MW-21	-7		1028		HCl H2SO4	3 VOAs 1 poly 2 amber		X		X			X	X	X	X	X	X	
EB-2	-10		1046		HCl	3 VOAs				X									
MW-12	-4		1114		HCl H2SO4	3 VOAs 1 poly 2 Amber		X		X			X	X	X	X	X	X	
MW-11	-3		1202		"	"		X		X			X	X	X	X	X	X	
MW-26	-8		1325		HCl	3 VOAs				X							✓		
MW-9	-2		1350		HCl H2SO4	3 VOAs 1 poly 2 Amber		X		X			X	X	X	X	X	X	

Relinquished by	Company	Date	Time	Received by	Company
Wendy S[illegible]	BEII	6.15.04	1445	[illegible signature]	STS
Relinquished by	Company	Date	Time	Received by	Company

Container types: A=Air Bag, G=Glass bottle, M=Metal Tube, P=Plastic bottle, V=VOA vial

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client's expense. Distribution: WHITE with report, PINK to courier.

Southland Tech. Services, Inc.
7801 Telegraph Road, Suite L & K
Montebello, CA 90640
Tel: (323) 888-0728
Fax: (323) 888-1509

Southland Technical Services, Inc.
Environmental Laboratories

07-12-2004

Mr. Hiram Garcia
Blakely Environmental Investigations, Inc.
4359 Phelan Road
Phelan, CA 92371

Project: Angeles Chemical Co.
Project Site: 8915 Sorensen Ave., Santa Fe Springs, CA
Sample Date: 06-15-2004
Lab Job No.: BL406110

Dear Mr. Garcia:

Enclosed please find the analytical report for the sample(s) received by STS Environmental Laboratories on 06-15-2004 and analyzed for the following parameters:

EPA 8015M (Gasoline)
EPA 8260B (VOCs by GC/MS)
EPA 160.1 (Total Dissolved Solids)
EPA 352.1 (Nitrate)
EPA 325.3 (Chloride)
EPA 375.4 (Sulfate)
EPA 376.1 (Sulfide)
EPA 7380 (Total Iron)
Ferrous Iron
Ethylene
EPA 7460 (Manganese)
EPA 310.1 (Alkalinity)
Standard Method 4500 (Carbonate & Bicarbonate)
EPA 415.1 (Total Organic Carbon, Dissolved Organic Carbon)
Modified EPA 8270C (1,4-Dioxane by GC/MS)

The sample(s) arrived in good conditions (i.e., chilled, intact) and with a chain of custody record attached.

Chloride, sulfide, Alkalinity,TDS, Carbonate & Bicarbonate analyses were subcontracted to Americhem Testing Laboratory. TOC & DOC analyses were subcontracted to Associated Laboratories. Their original reports are attached.

STS Environmental Laboratory is certified by CA DHS (Certificate Number 1986). Thank you for giving us the opportunity to serve you. Please feel free to call me at (323) 888-0728 if our laboratory can be of further service to you.

Sincerely,

Roger Wang, Ph. D.
Laboratory Director

Enclosures

ANCHEM0727

This cover letter is an integral part of this analytical report.

Southland Technical Services, Inc.
Environmental Laboratories

07-12-2004

Client:	Blakely Environmental Investigations, Inc.	Lab Job No.:	BL406110
Project:	Angeles Chemical Co.		
Project Site:	8915 Sorensen Ave., Santa Fe Springs, CA	Date Sampled:	06-15-2004
Matrix:	Water	Date Received:	06-15-2004

Analytical Test Results

Analyte	EPA Method	Date Analyzed	Reporting Unit	MW-9	MW-11	MW-12	MW-14	MW-15	Reporting Limit
Ethylene	GC/FID	06-15-04	ug/L	28.5	2,120	174	ND	15.5	5
TDS	160.1	06-16-04	mg/L	1,760	1,590	721	1,280	1,230	2
Nitrate	352.1	06-16-04	mg/L	29	8.18	1.24	27	32	0.01
Sulfate	375.4	06-16-04	mg/L	707	3.49	42	603	735	1.0
Total Iron	7380	06-16-04	mg/L	ND	5.6	ND	0.2	0.2	0.1
Manganese	7460	06-16-04	mg/L	0.2	6.6	0.9	0.2	0.4	0.05
Ferrous Iron	Colori-metry	06-16-04	mg/L	ND	2.42	0.15	0.24	0.17	0.05

Analyte	EPA Method	Date Analyzed	Reporting Unit	MW-21					Reporting Limit
Ethylene	GC/FID	06-15-04	ug/L	ND					5
TDS	160.1	06-16-04	mg/L	1,180					2
Nitrate	352.1	06-16-04	mg/L	24					0.01
Sulfate	375.4	06-16-04	mg/L	518					1.0
Total Iron	7380	06-16-04	mg/L	0.2					0.1
Manganese	7460	06-16-04	mg/L	0.1					0.05
Ferrous Iron	Colori-metry	06-16-04	mg/L	0.48					0.05

ND: Not Detected (at the specified limit).

ANCHEM0728

07-12-2004

Client:	Blakely Environmental Investigations, Inc.	Lab Job No.:	BL406110
Project:	Angeles Chemical Co.		
Project Site:	8915 Sorensen Ave., Santa Fe Springs, CA	Date Sampled:	06-15-2004
Matrix:	Water	Date Received:	06-15-2004
Batch No.:	0616-BNA1	Date Analyzed:	06-16-2004

Modified EPA 8270C (1,4-Dioxane by GC/MS)
Reporting Units: µg/L (ppb)

Sample ID	Lab ID	1,4-Dioxane	Method Detection Limit	PQL
Method Blank		ND	2	3.0
MW-9	BL406110-2	4,000	2	3.0
MW-11	BL406110-3	413	2	3.0
MW-12	BL406110-4	2.9J	2	3.0
MW-14	BL406110-5	93	2	3.0
MW-15	BL406110-6	8.4	2	3.0
MW-21	BL406110-7	28	2	3.0

ND: Not Detected (at the specified limit)

ANCHEM0729

Southland Technical Services, Inc.
Environmental Laboratories

07-12-2004

Client:	Blakely Environmental Investigations, Inc.	Lab Job No.:	BL406110
Project:	Angeles Chemical Co.		
Project Site:	8915 Sorensen Ave, Santa Fe Springs	Date Sampled:	06-15-2004
Matrix:	Water	Date Received:	06-15-2004
Batch No.:	AF15-GW1	Date Analyzed:	06-15-2004

EPA 8015M (Gasoline)
Reporting Units: µg/L (ppb)

Sample ID	Lab ID	Gasoline (C4-C12)	Method Detection Limit	PQL
Method Blank		ND	50	50
MW-9	BL406110-2	1,350	50	50
MW-11	BL406110-3	43,300	50	50
MW-12	BL406110-4	1,780	50	50
MW-14	BL406110-5	120	50	50
MW-15	BL406110-6	172	50	50
MW-21	BL406110-7	511	50	50

ND: Not Detected (at the specified limit)

ANCHEM0730

Client: Blakely Environmental Investigations, Inc. Lab Job No.: BL406110 Date Reported: 07-12-2004
Project:Angeles Chemical Co. Matrix: Water Date Sampled: 06-15-2004

EPA 8260B (VOCs by GC/MS, Page 1 of 2) Reporting Unit: ppb

DATE ANALYZED			06-16	06-16-04	06-16-04	06-16-04	06-16-04	06-16-04	06-16-04
DILUTION FACTOR				1	2	50	2	1	1
LAB SAMPLE I.D.				BL406110 -1	BL406110 -2	BL406110 -3	BL403124 -4	BL406110 -5	BL406110 -6
CLIENT SAMPLE I.D.				MW-02	MW-09	MW-11	MW-12	MW-14	MW-15
COMPOUND	MDL	PQL	MB						
Dichlorodifluoromethane	2	5	ND	ND	ND	ND	ND	ND	ND
Chloromethane	2	5	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	1	2	ND	117	191	3,520	10.4	2	138
Bromomethane	2	5	ND	ND	ND	ND	ND	ND	ND
Chloroethane	2	5	ND	ND	ND	3,960	ND	ND	ND
Trichlorofluoromethane	2	5	ND	ND	6.4 j	ND	ND	ND	ND
1,1-Dichloroethene	2	5	ND	33.9	1,100	435	4.5 j	96.9	40.5
Iodomethane	2	5	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	2	5	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	1	2	ND	45.9	910	55,000	300	45.9	53.6
2,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2	5	ND	88.3	370	4,150	ND	36.9	102
Bromochloromethane	2	5	ND	ND	ND	ND	ND	ND	ND
Chloroform	2	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2	5	ND	ND	4.6 j	45 j	ND	ND	ND
1,1,1-Trichloroethane	2	5	ND	3.9 j	24.0	250	2.5 j	ND	4.5 j
Carbon tetrachloride	2	5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND	ND
Benzene	1	1	ND	3.1	26.8	715	2.2	1.9	3.4
Trichloroethene	2	2	ND	19.1	29.6	ND	ND	ND	21.5
1,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	2	5	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	2	5	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	2	5	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	2	5	ND	ND	ND	ND	ND	ND	ND
Bromoform	2	5	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	2	5	ND	ND	4.0 j	120 j	57.5	ND	ND
Bromobenzene	2	5	ND	ND	ND	ND	ND	ND	ND

ANCHEM0731

Client: Blakely Environmental Investigations, Inc. Lab Job No.: BL406110 Date Reported: 07-12-2004
Project:Angeles Chemical Co. Matrix: Water Date Sampled: 06-15-2004

EPA 8260B (VOCs by GC/MS, Page 2 of 2) Reporting Unit: (ppb)

COMPOUND	MDL	PQL	MB	MW-02	MW-09	MW-11	MW-12	MW-14	MW-15
Toluene	1	1	ND	38.9	ND	9,000	3.6 j	ND	43.3
Tetrachloroethene	2	2	ND	47.6	126	ND	2.8 j	41.8	53.1
1,2-Dibromoethane(EDB)	2	5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	2	5	ND	ND	ND	ND	2.0 j	ND	ND
1,1,1,2-Tetrachloroethan	2	5	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	1	ND	2.2	ND	833	74.4	ND	2.5
Total Xylenes	1	1	ND	9.0	ND	1,930	18.9	ND	9.8
Styrene	2	5	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethan	2	5	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	2	5	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	2	5	ND	ND	ND	210 j	142	ND	ND
2-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	2	5	ND	ND	ND	455	340	ND	ND
tert-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2	5	ND	ND	ND	1,410	555	ND	ND
Sec-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	2	5	ND	ND	ND	ND	4.2 j	ND	ND
1,4-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	2	5	ND	ND	ND	ND	15.0	ND	ND
1,2,4-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	2	5	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	2	5	ND	ND	ND	ND	ND	ND	ND
Naphthalene	2	5	ND	ND	ND	ND	129	ND	ND
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND	ND
Acetone	5	25	ND	ND	ND	888 j	ND	ND	ND
2-Butanone (MEK)	5	25	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	5	25	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	5	25	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	5	25	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	5	25	ND	ND	ND	ND	ND	ND	ND
MTBE	2	2	ND	ND	ND	ND	ND	ND	ND
ETBE	2	2	ND	ND	ND	ND	ND	ND	ND
DIPE	2	2	ND	ND	ND	ND	ND	ND	ND
TAME	2	2	ND	ND	ND	ND	ND	ND	ND
T-Butyl Alcohol	10	10	ND	ND	ND	ND	ND	ND	ND

MDL=Method Detection Limit; MB=Method Blank; ND=Not Detected (below DF × MDL), j=trace concentration.

ANCHEM0732

Southland Technical Services, Inc.
Environmental Laboratories

Client: Blakely Environmental Investigations, Inc. Lab Job No.: BL406110 Date Reported: 07-12-2004
Project:Angeles Chemical Co. Matrix: Water Date Sampled: 06-15-2004

EPA 8260B (VOCs by GC/MS, Page 1 of 2) Reporting Unit: ppb

DATE ANALYZED			06-16	06-16-04	06-16-04	06-16-04	06-16-04		
DILUTION FACTOR				2	20	1	1		
LAB SAMPLE I.D.				BL406110-7	BL406110-8	BL406110-9	BL406110-10		
CLIENT SAMPLE I.D.				MW-21	MW-26	TB-2	EB-2		
COMPOUND	MDL	PQL	MB						
Dichlorodifluoromethane	2	5	ND	ND	ND	ND	ND		
Chloromethane	2	5	ND	ND	ND	ND	ND		
Vinyl Chloride	1	2	ND	13.6	ND	ND	ND		
Bromomethane	2	5	ND	ND	ND	ND	ND		
Chloroethane	2	5	ND	ND	ND	ND	ND		
Trichlorofluoromethane	2	5	ND	12.3	128	ND	ND		
1,1-Dichloroethene	2	5	ND	299	8,150*	ND	ND		
Iodomethane	2	5	ND	ND	ND	ND	ND		
Methylene Chloride	2	5	ND	ND	11,900*	ND	ND		
trans-1,2-Dichloroethene	2	5	ND	2.0 j	ND	ND	ND		
1,1-Dichloroethane	1	2	ND	203	1,750	ND	ND		
2,2-Dichloropropane	2	5	ND	ND	ND	ND	ND		
cis-1,2-Dichloroethene	2	5	ND	437	6,550*	ND	ND		
Bromochloromethane	2	5	ND	ND	ND	ND	ND		
Chloroform	2	5	ND	ND	ND	ND	ND		
1,2-Dichloroethane	2	5	ND	1.8 j	ND	ND	ND		
1,1,1-Trichloroethane	2	5	ND	13.5	5,730*	ND	ND		
Carbon tetrachloride	2	5	ND	ND	ND	ND	ND		
1,1-Dichloropropene	2	5	ND	ND	ND	ND	ND		
Benzene	1	1	ND	5.0	142	ND	ND		
Trichloroethene	2	2	ND	108	ND	ND	ND		
1,2-Dichloropropane	2	5	ND	ND	ND	ND	ND		
Bromodichloromethane	2	5	ND	ND	ND	ND	ND		
Dibromomethane	2	5	ND	ND	ND	ND	ND		
trans-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND		
cis-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND		
1,1,2-Trichloroethane	2	5	ND	ND	ND	ND	ND		
1,3-Dichloropropane	2	5	ND	ND	ND	ND	ND		
Dibromochloromethane	2	5	ND	ND	ND	ND	ND		
2-Chloroethylvinyl ether	2	5	ND	ND	ND	ND	ND		
Bromoform	2	5	ND	ND	ND	ND	ND		
Isopropylbenzene	2	5	ND	2.2 j	ND	ND	ND		
Bromobenzene	2	5	ND	ND	ND	ND	ND		

ANCHEM0733

Client: Blakely Environmental Investigations, Inc. Lab Job No.: BL406110 Date Reported: 07-12-2004
Project:Angeles Chemical Co. Matrix: Water Date Sampled: 06-15-2004

EPA 8260B (VOCs by GC/MS, Page 2 of 2) Reporting Unit: (ppb)

COMPOUND	MDL	PQL	MB	MW-21	MW-26	TB-2	EB-2		
Toluene	1	1	ND	1.7	14,500*	ND	ND		
Tetrachloroethene	2	2	ND	228	1,830	ND	ND		
1,2-Dibromoethane(EDB)	2	5	ND	ND	ND	ND	ND		
Chlorobenzene	2	5	ND	ND	ND	ND	ND		
1,1,1,2-Tetrachloroethan	2	5	ND	ND	ND	ND	ND		
Ethylbenzene	1	1	ND	ND	2,830	ND	ND		
Total Xylenes	1	1	ND	5.3	8,320	ND	ND		
Styrene	2	5	ND	ND	ND	ND	ND		
1,1,2,2-Tetrachloroethan	2	5	ND	ND	ND	ND	ND		
1,2,3-Trichloropropane	2	5	ND	ND	ND	ND	ND		
n-Propylbenzene	2	5	ND	ND	ND	ND	ND		
2-Chlorotoluene	2	5	ND	ND	ND	ND	ND		
4-Chlorotoluene	2	5	ND	ND	ND	ND	ND		
1,3,5-Trimethylbenzene	2	5	ND	ND	189	ND	ND		
tert-Butylbenzene	2	5	ND	ND	ND	ND	ND		
1,2,4-Trimethylbenzene	2	5	ND	2 j	832	ND	ND		
Sec-Butylbenzene	2	5	ND	ND	ND	ND	ND		
1,3-Dichlorobenzene	2	5	ND	ND	ND	ND	ND		
p-Isopropyltoluene	2	5	ND	ND	ND	ND	ND		
1,4-Dichlorobenzene	2	5	ND	ND	ND	ND	ND		
1,2-Dichlorobenzene	2	5	ND	ND	ND	ND	ND		
n-Butylbenzene	2	5	ND	ND	ND	ND	ND		
1,2,4-Trichlorobenzene	2	5	ND	ND	ND	ND	ND		
1,2-Dibromo-3-Chloropropane	2	5	ND	ND	ND	ND	ND		
Hexachlorobutadiene	2	5	ND	ND	ND	ND	ND		
Naphthalene	2	5	ND	ND	102	ND	ND		
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND	ND		
Acetone	5	25	ND	ND	7,220	ND	ND		
2-Butanone (MEK)	5	25	ND	ND	2,260	ND	ND		
Carbon disulfide	5	25	ND	ND	ND	ND	ND		
4-Methyl-2-pentanone	5	25	ND	ND	5,320	ND	ND		
2-Hexanone	5	25	ND	ND	ND	ND	ND		
Vinyl Acetate	5	25	ND	ND	ND	ND	ND		
MTBE	2	2	ND	ND	ND	ND	ND		
ETBE	2	2	ND	ND	ND	ND	ND		
DIPE	2	2	ND	ND	ND	ND	ND		
TAME	2	2	ND	ND	ND	ND	ND		
T-Butyl Alcohol	10	10	ND	ND	ND	ND	ND		

MDL=Method Detection Limit; MB=Method Blank; ND=Not Detected (below DF × MDL), j=trace concentration.

ANCHEM0734

07-12-2004

Modified EPA 8270C (1,4-Dioxane by GC/MS)
Batch QA/QC Report

Client:	Blakely Environmental Investigations, Inc.	Lab Job No.:	BL406110
Project:	Angeles Chemical Co.		
Matrix:	Water	Lab Sample ID:	ST40616-1
Batch No.:	0616-BNA	Date Analyzed:	06-16-2004

LCS/LCSD Result
Unit: ppb

Analyte	Sample Conc.	Spike Conc.	LCS	LCSD	LCS %Rec.	LCSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
1,4-Dioxane	ND	10.0	10.2	11.0	102.0	110.0	7.5	30	70-130

ND:Not Detected

ANCHEM0735

07-12-2004

EPA 8015M (TPH)
Batch QA/QC Report

Client:	Blakely Environmental Investigations, Inc.	Lab Job No.:	BL406110
Project:	Angeles Chemical Co.		
Matrix:	Water	Lab Sample ID:	UR406106-4
Batch No:	AF15-GW1	Date Analyzed:	06-15-2004

I. MS/MSD Report
Unit: ppb

Analyte	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
TPH-G	ND	1000	978	994	97.8	99.4	1.6	30	70-130

II. LCS Result
Unit: ppb

Analyte	LCS Report Value	True Value	Rec.%	Accept. Limit
TPH-G	901	1000	90.1	80-120

ND: Not Detected (at the specified limit)

ANCHEM0736

07-12-2004

EPA 8260B
Batch QA/QC Report

Client:	Blakely Environmental Investigations, Inc.	Lab Job No.:	BL406110
Project:	Angeles Chemical Co.		
Matrix:	Water	Lab Sample ID:	JA406118-5
Batch No:	0616-VOBW	Date Analyzed:	06-16-2004

I. MS/MSD Report
Unit: ppb

Compound	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
1,1-Dichloroethene	ND	20	23.6	25.2	118.0	126.0	6.6	30	70-130
Benzene	ND	20	22.6	24.0	113.0	120.0	6.0	30	70-130
Trichloro-ethene	ND	20	20.0	22.6	100.0	113.0	12.2	30	70-130
Toluene	ND	20	22.2	22.7	111.0	113.5	2.2	30	70-130
Chlorobenzene	ND	20	17.8	20.4	89.0	102.0	13.6	30	70-130

II. LCS Result
Unit: ppb

Analyte	LCS Value	True Value	Rec.%	Accept. Limit
1,1-Dichloroethene	44.2	50.0	88.4	80-120
Benzene	43.5	50.0	87.0	80-120
Trichloro-ethene	41.5	50.0	83.0	80-120
Toluene	42.0	50.0	84.0	80-120
Chlorobenzene	40.0	50.0	80.0	80-120

ND: Not Detected.

ANCHEM0737

07-12-2004

Ethylene by GC/FID
Batch QA/QC Report

Client:	Blakely Environmental Investigations, Inc.	Lab Job No.:	BL406110
Project:	Angeles Chemical Co.		
Matrix:	Water	Lab Sample ID:	BL406110-4
Batch No.:	FF15E	Date Analyzed:	06-15-2004

I. Sample/Sample Dup Report
Reporting Units: µg/L

Analyte	MB	Sample Conc.	Sample Duplicate	% RPD	%RPD Accept. Limit
Ethylene	ND	174	197	12.4	30

II. LCS Result
Reporting Units: µg/L

Analyte	LCS Report Value	True Value	Rec.%	Accept. Limi
Ethylene	4170	4,170	100.0	80-120

ND: Not Detected.

ANCHEM0738

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT Southland Technical Services (6304)
ATTN: Roger Wang
7801 Telegraph Rd.- Suite L
Montebello, CA 90640

LAB REQUEST 131163
REPORTED 06/29/2004
RECEIVED 06/17/2004

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
529631	BL406103-2
529632	BL406103-3
529633	BL406103-4
529634	BL406110-2
529635	BL406110-3
529636	BL406110-4
529637	BL406110-5
529638	BL406110-6
529639	BL406110-7
529640	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

ANCHEM0739

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 529631 **Client Sample ID:** BL406103-Z
Matrix: WATER
Date Sampled: 06/14/2004

Analyte	Result	DLR	Units	Date/Analyst	
9060 Total Organic Carbon (TOC)					
Dissolved Organic Carbon	3.1	1.0	mg/L	06/22/04	QP
Total Organic Carbon	3.4	1.0	mg/L	06/22/04	QP

Order #: 529632 **Client Sample ID:** BL406103-3
Matrix: WATER
Date Sampled: 06/14/2004

Analyte	Result	DLR	Units	Date/Analyst	
9060 Total Organic Carbon (TOC)					
Dissolved Organic Carbon	ND	1.0	mg/L	06/22/04	QP
Total Organic Carbon	1.2	1.0	mg/L	06/22/04	QP

Order #: 529633 **Client Sample ID:** BL406103-4
Matrix: WATER
Date Sampled: 06/14/2004

Analyte	Result	DLR	Units	Date/Analyst	
9060 Total Organic Carbon (TOC)					
Dissolved Organic Carbon	1.5	1.0	mg/L	06/22/04	QP
Total Organic Carbon	1.7	1.0	mg/L	06/22/04	QP

Order #: 529634 **Client Sample ID:** BL406110-2
Matrix: WATER
Date Sampled: 06/15/2004

Analyte	Result	DLR	Units	Date/Analyst	
9060 Total Organic Carbon (TOC)					
Dissolved Organic Carbon	7.2	1.0	mg/L	06/22/04	DP
Total Organic Carbon	7.9	1.0	mg/L	06/22/04	DP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

Total Organic Carbon	2.5	1.0	mg/L	06/22/04	QP

Order #: 529639 **Client Sample ID:** BL406110-7
Matrix: WATER
Date Sampled: 06/15/2004

Analyte	Result	DLR	Units	Date/Analyst	
9060 Total Organic Carbon (TOC)					
Dissolved Organic Carbon	1.4	1.0	mg/L	06/22/04	QP
Total Organic Carbon	1.7	1.0	mg/L	06/22/04	QP

Order #: 529640 **Client Sample ID:** Laboratory Method Blank
Matrix: WATER

Analyte	Result	DLR	Units	Date/Analyst	
9060 Total Organic Carbon (TOC)					
Dissolved Organic Carbon	ND	0.5	mg/L	06/22/04	QP
Total Organic Carbon	ND	0.5	mg/L	06/22/04	QP

ANCHEM0741

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: 131163-7

Matrix: WATER

Prep. Date: June 22, 2004

Analysis Date: June 22, 2004

ID#'s in Batch: LR 131163

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = mg/L

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
TOC	415.1	2.5	10	12.6	13.0	101	105	3

ND = "U" - Not Detected
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS = 80 - 120
RPD LIMITS = 20

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

PREP BLK	LCS				
Value	Result	True	%Rec	L.Limit	H.Limit
ND	10	10	100	80%	120%

Value = Preparation Blank Value: ND = Not-Detected
LCS Result = Lab Control Sample Result
True = True Value of LCS
L.Limit / H.Limit = LCS Control Limits

Order #: 529635 **Client Sample ID:** BL406110-3
Matrix: WATER
Date Sampled: 06/15/2004

Analyte	Result	DLR	Units	Date/Analyst	
9060 Total Organic Carbon (TOC)					
Dissolved Organic Carbon	84	2.5	mg/L	06/22/04	QP
Total Organic Carbon	98	2.5	mg/L	06/22/04	QP

Order #: 529636 **Client Sample ID:** BL406110-4
Matrix: WATER
Date Sampled: 06/15/2004

Analyte	Result	DLR	Units	Date/Analyst	
9060 Total Organic Carbon (TOC)					
Dissolved Organic Carbon	3.2	1.0	mg/L	06/22/04	QP
Total Organic Carbon	3.5	1.0	mg/L	06/22/04	QP

Order #: 529637 **Client Sample ID:** BL406110-5
Matrix: WATER
Date Sampled: 06/15/2004

Analyte	Result	DLR	Units	Date/Analyst	
9060 Total Organic Carbon (TOC)					
Dissolved Organic Carbon	2.1	1.0	mg/L	06/22/04	QP
Total Organic Carbon	2.4	1.0	mg/L	06/22/04	QP

Order #: 529638 **Client Sample ID:** BL406110-6
Matrix: WATER
Date Sampled: 06/15/2004

Analyte	Result	DLR	Units	Date/Analyst	
9060 Total Organic Carbon (TOC)					
Dissolved Organic Carbon	2.3	1.0	mg/L	06/22/04	QP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

ASSOCIATED LABORATORIES
806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

13167

CHAIN OF CUSTODY RECORD

Date 6/17/04 Page 1 of 1

CLIENT: Southland Technical Services INC.
ADDRESS: 7801 Telegraph Rd STE #L
Montebello CA 90640
PROJECT NAME:
PROJECT MANAGER:
PHONE NUMBER: (323) 888-0728
SAMPLERS: (Signature) GUORUI LIAO

Samples Intact Yes ✓ No ___
County Seals Intact Yes ✓ No ___
Sample Ambient ___ Cooled ✓ Frozen ___
Same Day ___ 24 Hr. ___
Regular X 48 Hr. ___

SAMPLE NUMBER	LOCATION DESCRIPTION	DATE	TIME	SAMPLE TYPE: WATER	AIR	SOLID	NO OF CNTNRS	SUSP. CONTAM.	TESTS REQUIRED
BL406103-2		6/14/04		✓			1 P		TOC & Dissolved Org. Carbons
" " -3		"		"			"		TOC & DOC
" " -4		"		"			"		" "
BL406110-2		6/15/04		"			"		" "
" " -3		"		"			"		" "
" " -4		"		"			"		" "
" " -5		"		"			"		" "
" " -6		"		"			"		" "
" " -7									

Relinquished by: (Signature) GUORUI LIAO STS
Received by: (Signature) Juan Montoya
Date/Time 6/18 16:15

Relinquished by: (Signature)
Received by Laboratory for analysis: (Signature) 6-18-04 11:30
Date/Time

Special Instructions:

I hereby authorize the performance of the above indicated work.

DISTRIBUTION: White with report. Yellow to AL, Pink to Courier

ANCHEM0744

AmeriChem Testing Laboratory

1761 N. Batavia St.
Orange, CA 92865

(714) 921-1550
FAX: (714) 921-4770

Analytical Report

REPORT NUMBER: AL-5909-1
CLIENT:
STS Environmental Lab.
7801 Telegraph Rd. suite J
Montebello, CA 90640

REPORT ON:
Water samples, BL 406103, 6/14/04

DATE RECEIVED: 06/17/04
DATE REPORTED: 06/18/04

ANALYSIS	DET. LIMIT	METHOD
Sulfide	0.02 mg/l	EPA 376.1
Chloride	0.1 mg/l	EPA 325.3
Total Alkalinity	1.0 mg/l	EPA 310.1
Carbonate	2.0 mg/l	Standard Method 4500
Bicarbonate	2.0 mg/l	Standard Method 4500

SAMPLE ID.	TEST RESULT, mg/l Sulfide	Chloride	Total Alkalinity	Carbonate	Bicarbonate
-2	ND	119	435	ND	265
-3	ND	106	433	ND	264
-4	ND	109	438	ND	267

Peter T. Wu
Lab Director

AmeriChem Testing Laboratory

1761 N. Batavia St.
Orange, CA 92865

(714) 921-1550
FAX: (714) 921-4770

Analytical Report

REPORT NUMBER: AL-5909-2
CLIENT:
STS Environmental Lab.
7801 Telegraph Rd. suite J
Montebello, CA 90640

REPORT ON:
Water samples, BL 406110, 6/15/04

DATE RECEIVED: 06/17/04
DATE REPORTED: 06/18/04

ANALYSIS	DET. LIMIT	METHOD
Sulfide	0.02 mg/l	EPA 376.1
Chloride	0.1 mg/l	EPA 325.3
Total Alkalinity	1.0 mg/l	EPA 310.1
Carbonate	2.0 mg/l	Standard Method 4500
Bicarbonate	2.0 mg/l	Standard Method 4500

SAMPLE ID.	TEST RESULT, mg/l Sulfide	Chloride	Total Alkalinity	Carbonate	Bicarbonate
-2	ND	198	430	ND	262
-3	ND	332	696	ND	424
-4	ND	78	505	ND	308
-5	ND	122	373	ND	228
-6	ND	102	456	ND	278
-7	ND	116	440	ND	268

P. T. Wu

Peter T. Wu
Lab Director

SOUTHLAND TECHNICAL SERVICES, INC.

Page 1 of 1

CHAIN OF CUSTODY RECORD

Lab Job Number _____

Client: Southland Technical Services, INC.

Address: 7801 Telegraph RD STE #L Montebello CA 90640

Report Attention: Roger Wang | Phone: (323)888-0728 | Fax: (323)888-1509 | Sampled by:

Project Name/No.: | Project Site:

T.A.T. Requested: ☐ Rush 8 12 24 hours ☐ 2-3 days ☐ Normal

Sample Condition: ☐ Chilled ☐ Intact ☐ Sample seals

Client Sample ID	Lab Sample ID	Sample Collect Date	Sample Collect Time	Matrix Type	Sample Preserve	No.,type* & size of container	602/8021 (BTEX,MTBE)	8015M (Gasoline)	8015M (Diesel)	8260B (VOCs)	8260B (Oxygenates, BTEX)	8260B (MTBE Confirm.)	Chloride, Sulfide	Alkalinity	Carbonate, Bicarbonate				Remarks
BL406103-2		6/14/04		H2O		1P							X	X	X				
-3		"		"		1P							X	X	X				
-4		"		"		1P							X	X	X				
BL406110-2		6/15/04		"		"							X	X	X				
-3		"		"		"							X	X	X				
-4		"		"		"							X	X	X				
-5		"		"		"							X	X	X				
-6		"		"		"							X	X	X				
-7		"		"		"							X	X	X				

ANCHEM0747

Relinquished by	Company	Date	Time	Received by	Company
Guoku Liao	STS	6/17/04	PM	[illegible]	Ancheml Eng Lab 6/17
Relinquished by	Company	Date	Time	Received by	Company

Container types: M=Metal Tube, A=Air Bag, P=Plastic bottle, G=Glass bottle, V=VOA vial

Southland Tech. Services, Inc.
7801 Telegraph Road, Suite L & K
Montebello, CA 90640
Tel: (323) 888-0728
Fax: (323) 888-1509

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client's expense.
Distribution: WHITE with report, PINK to courier.